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STATISTICAL ABSTRACT OF NORTH DAKOTA 1979

Prepared by
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
UNIVERSITY OF NORTH DAKOTA

in cooperation with the
NORTH DAKOTA FEDERAL AID COORDINATOR OFFICE OF
STATE AND LOCAL PLANNING

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Grand Forks, North Dakota
Fall 1979

STATE OF NORTH DAKOTA
EXECUTIVE OFFICE
BISMARCK

ARTHUR A. LINK
Governor

FALL 1979

Dear Reader:

The goal of better informed decision-making in both the public and private sector is only achieved through sound planning and good management, both of which depend on good information. Those persons whose decisions will affect North Dakota's future--businessmen, educators, other professionals, government officials, and concerned citizens--can make better judgments if they have more complete and more adequate information.

The Statistical Abstract of North Dakota 1979 is a compilation of information about the State of North Dakota--its people and environment, its economy, and its public institutions. We hope this document will fulfill the purpose of providing useful information to the people of our state. We hope, too, that it will provide more complete, accurate, and current information about our state to interested non-residents or former residents who desire to keep in touch with changing conditions in North Dakota.

This document is one component of a broader, state-wide program of economic development planning that is funded in part by both the Economic Development Administration and by the Old West Regional Commission. While the Abstract deals primarily with historical data, another document prepared under this program, the North Dakota Public Investment Plan, provides an outlook for the future of the state's economy.

We anticipate that the Statistical Abstract of North Dakota 1979 will be found to be a useful tool to aid in planning, research and teaching, and in the conduct of public and private enterprise. Your comments and suggestions for future improvements of this document are most welcome.

Sincerely,

Arthur A. Link

ARTHUR A. LINK
Governor

AAL:od

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Many people assisted the project staff in the preparation of this document. Special recognition is extended to the following individuals for their generous contribution of time in providing data sources and/or reviewing various draft sections of the *Statistical Abstract of North Dakota.*

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INTRODUCTION

The **Statistical Abstract of North Dakota 1979** has been prepared in response to a long-identified need for a single reference volume which provides descriptive data about the State of North Dakota and its principal political subdivisions. The Abstract is intended to serve as a guide to basic data sources concerning North Dakota's people and environment, its economy, and its public sector institutions.

The underlying purpose of this project is to provide the interested reader and researcher with ready access to data which would otherwise require locating and consulting a large number of separate publications. Inevitably, in compressing a vast array of data, there are numerous gaps. In selecting data for inclusion in this Abstract, the objective has been to provide key data from a broad range of sources rather than exhaustive data for a limited number of topic areas.

Every attempt has been made to utilize the most recent and complete sources of information. The guiding criterion in this respect was that data should be drawn from official publications or from the files of a government agency or private organization charged with the responsibility of maintaining current data files on a particular subject. In some instances information was obtained from supplemental sources such as the *Statistical Abstract of the United States.*

Data are presented at various levels of aggregation. State-level data are frequently compared with data for adjacent states and the United States as a whole. Whenever possible, county-level data has been provided, sometimes also summarized by state planning region. Occasionally, municipal and other small-place data are presented.

Historical data series are most often limited to recent years or comparisons at five to ten-year intervals. The reader is urged to consult the original source for more complete time series records. Only in rare instances have published forecast data been included.

A number of maps are presented at the beginning of the Abstract and in the section on Geography and Climate to help orient the user to North Dakota and to provide a spatial perspective for county and city-level comparisons.

The reader is cautioned to use considerable care in interpreting and applying the data presented in this Abstract. Data collection and reporting is subject to many inherent limitations: definitional problems and errors in sampling, estimation, and transcription, to name but a few of the most prevalent. Users may note that discrepancies sometimes exist between similar data obtained from different sources. These are normally due to divergent definitions, assumptions, and collection methodologies. For detailed definitions of the data, and explanations of reporting procedures, the cited data source or originating agency should be consulted. The List of Sources provided at the end of the Abstract recapitulates by subject area the documentation provided in each data table. In some cases, additional bibliographic information is also provided.

This project would not have been possible without the commitment of time and effort by a large number of persons. Data tables in each subject area were reviewed by North Dakota researchers, program administrators, and other data users with professional interests in that area. Helpful overall review for format and clarity was also provided by several individuals familiar with the state and its data needs. Special thanks is due the University of North Dakota Department of Geography for preparing maps included in the Abstract.

Beyond the outstanding input received prior to publication, further comments from readers and users are invited. Of particular interest are suggestions for the inclusion of new data series in future volumes, or for the elimination of sections or tables which make the current volume unwieldy or otherwise difficult to use in its present form. Suggestions for general format change or for special supplemental data tabulations are especially welcome.

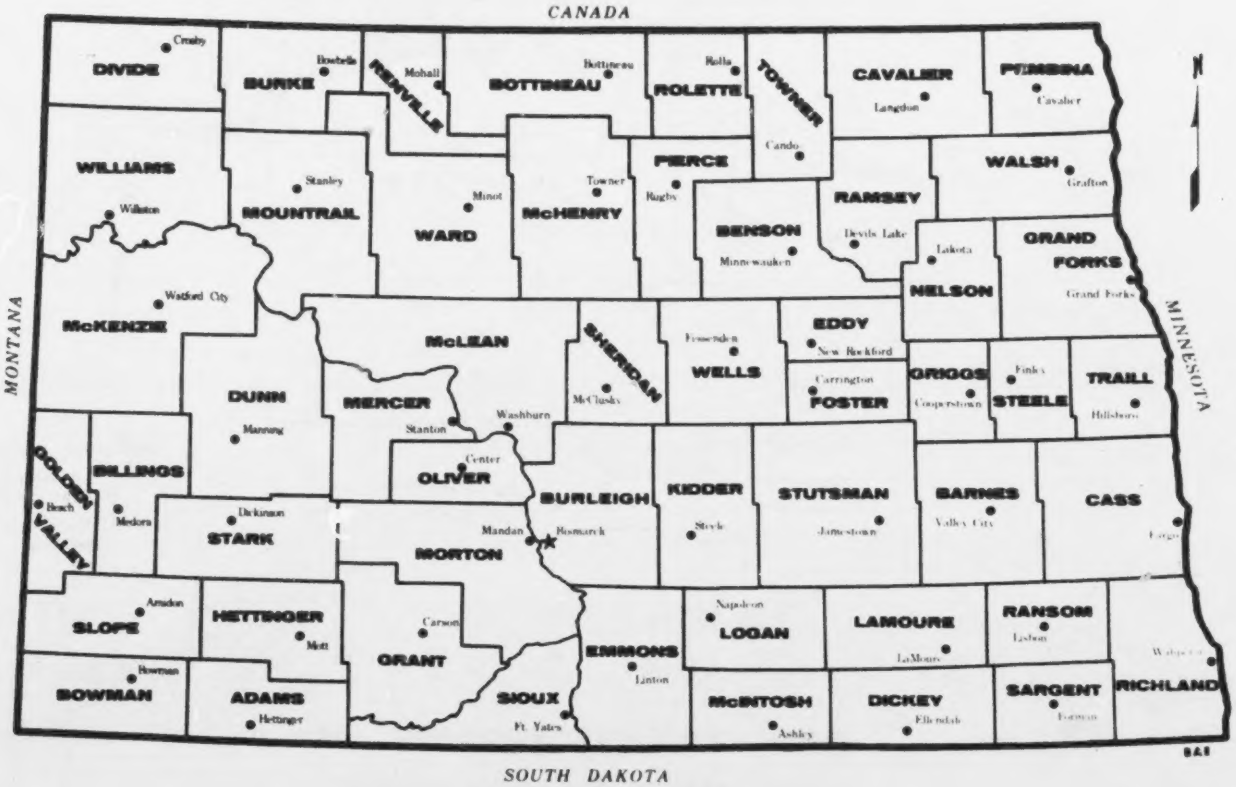
We hope you will find this to be a useful document.

Richard V. Kauffman and Oscar M. Lund
Project Managers

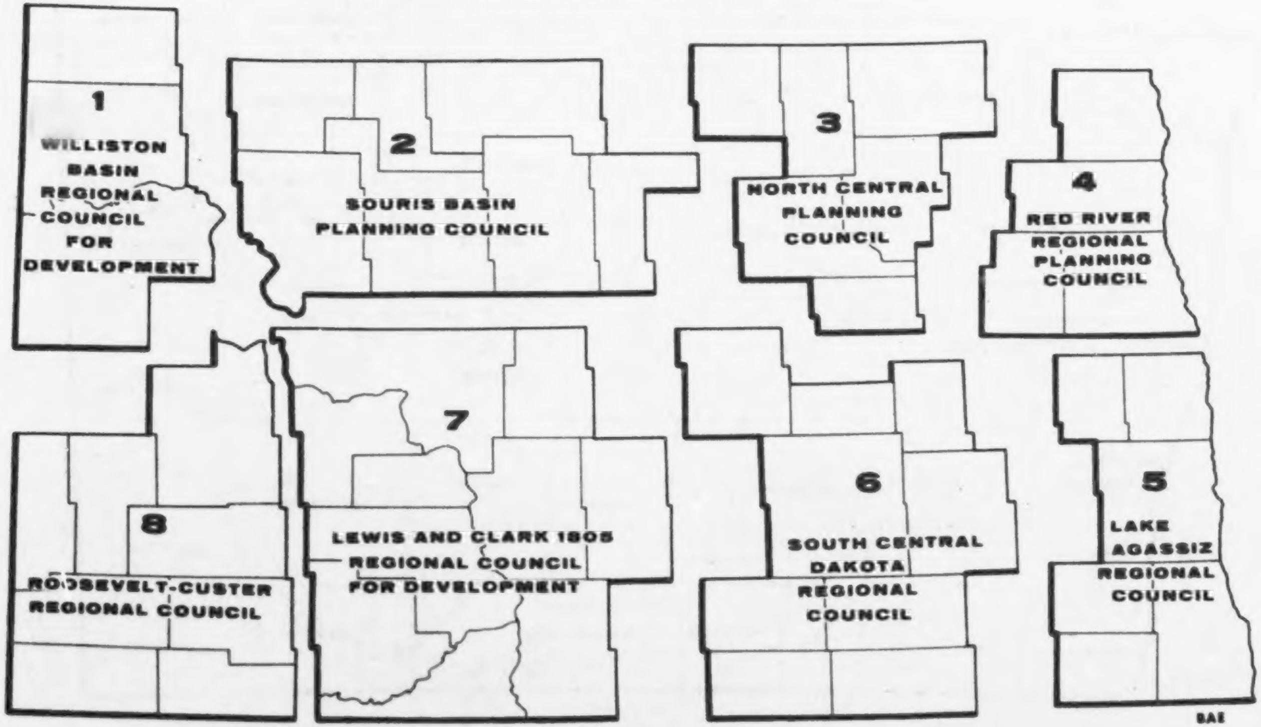
PEOPLE AND ENVIRONMENT

Population
Health and Vital Statistics
Geography and Climate

NORTH DAKOTA COUNTIES


CANADA
MONTANA
MINNESOTA
SOUTH DAKOTA
N
DIVIDE
Crosby
BURKE
Bowbells
RENVILLE
Mohall
BOTTINEAU
Bottineau
ROLETTE
Rolla
TOWNER
Cando
CAVALIER
Langdon
PEMBINA
Cavalier
WILLIAMS
Williston
MOUNTRAIL
Stanley
WARD
Minot
McHENRY
Towner
PIERCE
Rugby
BENSON
Minnewauken
RAMSEY
Devils Lake
WALSH
Grafton
NELSON
Lakota
GRAND FORKS
Grand Forks
McKENZIE
Watford City
McLEAN
Washburn
SHERIDAN
McClusky
WELLS
Fessenden
EDDY
New Rockford
FOSTER
Carrington
GRIGGS
Cooperstown
STEELE
Finley
TRAILL
Hillsboro
DUNN
Manning
MERCER
Stanton
OLIVER
Center
GOLDEN VALLEY
Beach
BILLINGS
Medora
STARK
Dickinson
MORTON
Mandan
BURLEIGH
Bismarck
KIDDER
Steele
STUTSMAN
Jamestown
BARNES
Valley City
CASS
Fargo
SLOPE
Amidon
HETTINGER
Mott
GRANT
Carson
EMMONS
Linton
LOGAN
Napoleon
LAMOURE
LaMoure
RANSOM
Lisbon
RICHLAND
Wahpeton
BOWMAN
Bowman
ADAMS
Hettinger
SIOUX
Ft. Yates
McINTOSH
Ashley
DICKEY
Ellendale
SARGENT
Forman
BAE

NORTH DAKOTA PLANNING AND DEVELOPMENT REGIONS


1
WILLISTON BASIN REGIONAL COUNCIL FOR DEVELOPMENT
2
SOURIS BASIN PLANNING COUNCIL
3
NORTH CENTRAL PLANNING COUNCIL
4
RED RIVER REGIONAL PLANNING COUNCIL
8
ROOSEVELT-CUSTER REGIONAL COUNCIL
7
LEWIS AND CLARK 1805 REGIONAL COUNCIL FOR DEVELOPMENT
6
SOUTH CENTRAL DAKOTA REGIONAL COUNCIL
5
LAKE AGASSIZ REGIONAL COUNCIL

BAE

1.00

POPULATION

This section contains information on the size, growth, distribution, and selected demographic characteristics of North Dakota's population. The resident population is made up of inhabitants who claim the designated area as their usual place of abode. This place is not necessarily the legal residence or voting residence. Persons in the armed forces are counted as residents of the area in which their installations are located. College students are considered residents of the communities in which they are residing while attending college.

The principal source of population statistics is the U.S. Bureau of the Census, which collects highly detailed information on the population and its characteristics in its *Census of Population*, conducted every ten years. The method of counting the population in the decennial census is house-to-house enumeration. It should be noted, however, that the census count is not absolutely accurate. Evaluation studies of the 1970 Census results indicate a net underenumeration of about 2.5 percent nationwide, with even higher rates of underenumeration for minority groups such as North Dakota's Native American population. Certain detailed characteristics of the population are obtained from a representative sampling of households during the enumeration process.

Population statistics for intercensal years are jointly estimated by the North Dakota State Department of Health's Office of Statistical Services and the Bureau of the Census using data obtained from various federal and state sources. The estimates are published by the Census Bureau in the *Current Population Reports* series.

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TABLE 1.02

POPULATION OF NORTH DAKOTA AND URBAN-RURAL COMPOSITION, CENSUS YEARS, 1870 TO 1970

Census Year	Population	Percent Change from Preceding Census	Percent Rural[1]	Percent Urban
1870	2,405[2]	-----%	100.0%	----%
1880	36,909[2]	1,434.7	92.7	7.3
1890	190,983	417.4	94.4	5.6
1900	319,146	67.1	92.7	7.3
1910	577,056	80.8	89.0	11.0
1920	646,872	12.1	86.4	13.6
1930	680,845	5.3	83.4	16.6
1940	641,935	-5.7	79.4	20.6
1950	619,636	-3.5	73.4	26.6
1960	632,446	2.1	64.8	35.2
1970	617,761	-2.3	55.7	44.3

SOURCE: U.S. Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, 1970.

[1] Persons living in areas with less than 2,500 population.

[2] Population of that part of Dakota Territory which is now North Dakota.

TABLE 1.01

POPULATION OF THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1900-1978
(thousands)

	1900	1910	1920	1930	1940	1950	1960	1970	1978
United States	76,094	92,407	106,022	123,203	132,165	151,326	179,323	203,212	218,059
NORTH DAKOTA	319	577	647	681	642	620	632	618	652
Minnesota	1,751	2,076	2,387	2,564	2,792	2,982	3,414	3,805	4,008
Iowa	2,232	2,225	2,404	2,471	2,538	2,621	2,758	2,824	2,896
Missouri	3,107	3,293	3,404	3,629	3,785	3,955	4,320	4,677	4,860
South Dakota	402	584	637	693	643	653	681	666	690
Nebraska	1,066	1,192	1,296	1,316	1,316	1,326	1,411	1,483	1,565
Kansas	1,470	1,691	1,769	1,801	1,905	1,905	2,179	2,247	2,348
Montana	243	376	549	538	559	591	675	694	785
Wyoming	93	146	194	226	251	291	330	332	424

SOURCE: U.S. Department of Commerce, Bureau of the Census, Historical Statistics of the United States Colonial Times to 1970, and Current Population Reports.

TABLE 1.03

POPULATION OF NORTH DAKOTA STATE PLANNING REGIONS AND SMSA'S, SELECTED YEARS, 1950-1977

	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977
Region 1	32,412	34,913	29,992	29,800	29,300	29,200	29,200	29,200	29,400	29,800
Region 2	89,248	97,541	100,360	103,300	103,100	102,300	102,000	102,900	102,700	102,800
Region 3	59,722	54,133	49,670	50,800	53,700	53,900	54,200	53,700	54,100	52,600
Region 4	80,382	86,654	93,857	96,800	98,500	99,400	98,600	96,100	98,100	100,300
Region 5	111,738	116,007	118,131	119,800	122,100	122,600	123,400	124,200	126,200	129,100
Region 6	94,822	90,400	78,965	79,000	78,600	77,600	77,400	76,300	76,500	77,400
Region 7	107,515	106,491	104,207	106,100	107,100	108,300	110,400	112,700	115,800	118,900
Region 8	46,951	46,227	42,609	42,600	42,400	42,200	42,000	41,900	42,000	42,200
Fargo - Moorhead*	89,240	106,027	120,238	122,800	124,700	124,600	125,900	126,300	128,800	131,400
Grand Forks**	75,343	84,859	95,537	97,900	98,600	99,500	100,100	97,700	100,200	102,600
NORTH DAKOTA	619,636	632,446	617,761	626,000	632,000	633,500	635,700	636,900	644,800	653,300

SOURCE: Complied from data in U.S. Department of Commerce, Bureau of the Census, Current Population Reports, and Census of Population, North Dakota, 1950, 1960 and 1970.

* Designated SMSA August 1960, data for prior years represents area which is now SMSA.

** Designated SMSA June, 1977, data for prior years represents area which is now SMSA.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 1.04

NORTH DAKOTA POPULATION BY COUNTY:
1950, 1960, AND 1970-1977

County	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977
Adams	4,910	4,449	3,832	3,700	3,700	3,800	3,800	3,800	3,800	3,800
Barnes	16,884	16,719	14,669	14,800	14,800	14,200	14,300	13,500	13,700	13,800
Benson	10,675	9,435	8,245	8,300	8,500	8,300	8,400	8,400	8,400	8,400
Billings	1,777	1,513	1,198	1,100	1,200	1,200	1,100	1,200	1,100	1,100
Bottineau	12,140	11,315	9,496	9,400	9,600	9,500	9,700	9,800	9,800	9,900
Bowman	4,001	4,154	3,901	4,000	4,000	4,000	3,900	4,100	4,200	4,300
Burke	6,621	5,886	4,739	4,700	4,700	4,500	4,300	4,300	4,300	4,300
Burleigh	25,673	34,016	40,714	41,300	42,300	43,700	45,400	47,100	48,300	50,300
Cass	58,877	66,947	73,683	75,500	77,800	78,400	79,100	79,700	81,500	83,300
Cavalier	11,840	10,064	8,213	9,200	10,100	10,800	11,600	11,200	10,900	9,400
Dickey	9,121	8,147	6,976	7,000	6,800	7,000	7,000	7,200	7,300	7,500
Divide	5,967	5,566	4,564	4,600	4,300	4,400	4,200	4,200	4,200	4,200
Dunn	7,212	6,350	4,895	4,900	4,800	4,700	4,800	4,700	4,700	4,900
Eddy	5,372	4,936	4,103	4,100	3,900	4,000	3,800	3,800	3,800	3,800
Emmons	9,715	8,462	7,200	7,200	7,000	7,000	7,000	6,800	6,700	6,600
Foster	5,337	5,361	4,832	4,900	5,000	4,800	4,800	4,800	4,900	4,900
Golden Valley	3,499	3,100	2,611	2,700	2,700	2,600	2,600	2,600	2,600	2,600
Grand Forks	39,443	48,677	61,102	63,400	63,900	64,900	64,400	62,600	64,500	66,300
Grant	7,114	6,248	5,009	5,100	5,100	5,100	5,000	5,000	5,000	5,000
Griggs	5,460	5,023	4,184	4,100	4,200	4,200	4,200	4,100	4,100	4,200

TABLE 1.04--*Continued*

County	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977
Hettinger	7,100	6,317	5,075	5,000	4,800	5,000	4,900	4,800	4,800	4,700
Kidder	6,168	5,386	4,362	4,300	4,300	4,500	4,300	4,300	4,300	4,400
La Moure	9,498	8,705	7,117	6,900	7,000	7,100	6,900	6,900	6,800	7,000
Logan	6,357	5,369	4,245	4,100	4,100	4,100	3,900	4,000	4,000	4,000
McHenry	12,556	11,099	8,977	8,900	8,800	8,800	8,800	8,700	8,600	8,600
McIntosh	7,590	6,702	5,545	5,600	5,600	5,300	5,300	5,200	5,100	5,100
McKenzie	6,849	7,296	6,127	6,100	6,200	6,100	6,300	6,200	6,100	6,200
McLean	18,824	14,030	11,251	11,700	11,600	11,500	11,500	11,600	11,900	12,300
Mercer	8,686	6,805	6,175	6,200	6,200	6,200	6,400	6,400	6,700	7,000
Morton	19,295	20,992	20,310	20,800	20,900	20,800	21,200	21,800	23,200	23,600
Mountrail	9,418	10,077	8,437	9,000	8,700	8,600	8,400	8,500	8,500	8,400
Nelson	8,090	7,034	5,776	5,800	6,000	5,800	5,800	5,800	5,900	6,100
Oliver	3,091	2,610	2,322	2,400	2,400	2,200	2,200	2,400	2,400	2,500
Pembina	13,990	12,946	10,728	11,100	11,600	12,000	12,200	11,600	11,000	11,100
Pierce	8,326	7,394	6,323	6,500	6,600	6,500	6,300	6,600	6,500	6,600
Ramsey	14,373	13,433	12,915	12,900	13,900	13,600	13,300	13,300	13,800	13,500
Ransom	8,876	8,078	7,102	7,100	6,900	7,100	7,300	7,200	7,100	7,300
Renville	5,405	4,698	3,828	3,900	3,700	3,800	3,700	3,800	3,700	3,700
Richland	19,865	18,824	18,089	18,200	18,400	18,200	18,100	18,300	18,400	19,100
Rolette	11,102	10,641	11,549	11,600	12,800	12,700	12,500	12,700	12,900	13,000
Sargent	7,616	6,856	5,937	6,000	6,100	6,000	6,000	6,100	6,000	6,100
Sheridan	5,253	4,350	3,232	3,400	3,300	3,400	3,400	3,400	3,400	3,300
Sioux	3,696	3,662	3,632	3,700	4,000	3,900	4,000	4,100	4,000	3,900
Slope	2,315	1,893	1,484	1,400	1,300	1,400	1,300	1,400	1,300	1,300
Stark	16,137	18,451	19,613	19,800	19,900	19,500	19,800	19,300	19,500	19,500

TABLE 1.05

POPULATION DENSITY AND RANK OF NORTH DAKOTA COUNTIES: 1950, 1960, 1970, AND 1977

County	1950		1960		1970		1977	
	Density*	Rank	Density*	Rank	Density*	Rank	Density*	Rank
Adams	5.0	41	4.5	41	3.9	41	3.8	41
Barnes	11.4	12	11.3	11	9.9	13	9.3	15
Benson	7.6	29	6.7	29	5.9	26	6.0	25
Billings	1.6	53	1.3	53	1.1	53	1.0	53
Bottineau	7.3	30	6.7	28	5.7	28	5.9	29
Bowman	3.4	49	3.6	47	3.3	43	3.7	42
Burke	5.9	38	5.3	40	4.2	39	3.8	40
Burleigh	15.8	4	20.9	4	25.1	4	31.0	3
Cass	33.6	1	38.3	1	42.1	2	47.6	1
Cavalier	7.8	26	6.7	30	5.4	31	6.2	22
Dickey	8.0	24	7.1	21	6.1	21	6.6	20
Divide	4.6	42	4.3	43	3.5	42	3.2	47
Dunn	3.6	46	3.2	49	2.5	50	2.5	50
Eddy	8.5	18	7.8	19	6.5	19	6.0	26
Emmons	6.5	33	5.6	34	4.8	33	4.4	35
Foster	8.3	21	8.3	17	7.5	17	7.6	17
Golden Valley	3.5	47	3.1	50	2.6	49	2.6	49
Grand Forks	27.4	2	33.9	2	42.5	1	46.1	2
Grant	4.3	45	3.8	45	3.0	48	3.0	48
Griggs	7.7	27	7.1	24	5.9	25	5.9	28
Hettinger	6.3	35	5.6	35	4.5	36	4.1	38
Kidder	4.5	43	4.0	44	3.2	47	3.2	46
La Moure	8.4	19	7.7	20	6.3	20	6.2	23
Logan	6.4	34	5.4	37	4.2	40	4.0	39
McHenry	6.7	32	5.9	33	4.8	34	4.6	34
McIntosh	7.7	28	6.8	27	5.6	29	5.1	31
McKenzie	2.5	51	2.7	51	2.2	51	2.3	51
McLean	9.1	16	6.8	26	5.4	30	6.0	27
Mercer	8.3	20	6.5	32	5.9	24	6.7	19
Morton	10.0	15	10.9	13	10.6	10	12.3	9
Mountrail	5.2	40	5.5	36	4.6	35	4.6	33
Nelson	3.1	50	7.1	22	5.8	27	6.1	24
Oliver	4.3	44	3.6	46	3.2	46	3.5	44
Pembina	12.4	8	11.5	10	9.5	14	9.9	13
Pierce	8.0	22	7.1	25	6.1	22	6.4	21

TABLE 1.05--*Continued*

	1950		1960		1970		1977	
	Density*	Rank	Density*	Rank	Density*	Rank	Density*	Rank
Ramsey	11.5	11	10.8	14	10.3	12	10.8	11
Ransom	10.3	14	9.4	16	8.2	16	8.5	16
Renville	6.1	36	5.3	39	4.3	38	4.2	37
Richland	13.7	6	13.0	7	12.5	8	13.2	7
Rolette	12.2	10	11.7	9	12.6	6	14.2	6
Sargent	8.9	17	8.0	18	7.0	18	7.2	18
Sheridan	5.3	39	4.4	42	3.3	45	3.3	45
Sioux	3.4	48	3.3	48	3.3	44	3.5	43
Slope	1.9	52	1.5	52	1.2	52	1.1	52
Stark	12.3	9	14.0	5	14.9	5	14.8	5
Steele	7.2	31	6.6	31	5.3	32	4.9	32
Stutsman	10.7	13	11.1	12	10.4	11	10.4	12
Towner	6.1	37	5.4	38	4.5	37	4.3	36
Traill	13.2	7	12.3	8	11.1	9	11.4	10
Walsh	14.7	5	14.0	6	12.6	7	13.1	8
Ward	17.0	3	23.0	3	28.6	3	30.0	4
Wells	8.0	23	7.1	23	6.0	23	5.6	30
Williams	8.0	25	10.7	15	9.4	15	9.4	14
NORTH DAKOTA	8.9	--	9.1	--	8.9	--	9.4	--

SOURCE: Calculated from U.S. Bureau of Census, Current Population Reports, and Census of Population, Number of Inhabitants--North Dakota, 1950, 1960, and 1970.

* Persons per square mile of land area.

TABLE 1.04--*Continued*

County	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977
Steele	5,145	4,719	3,749	3,600	3,400	3,600	3,500	3,600	3,600	3,500
Stutsman	24,158	25,137	23,550	23,700	23,600	23,400	23,600	23,300	23,300	23,600
Towner	6,360	5,624	4,645	4,700	4,500	4,500	4,600	4,300	4,300	4,500
Traill	11,359	10,583	9,571	9,400	9,500	9,300	9,400	9,300	9,600	9,800
Walsh	18,859	17,997	16,251	16,500	17,000	16,700	16,200	16,100	16,700	16,800
Ward	34,782	47,072	58,560	60,900	61,000	60,600	60,800	61,200	61,300	61,300
Wells	10,417	9,237	7,847	7,900	7,500	7,500	7,400	7,300	7,300	7,300
Williams	16,442	22,051	19,301	19,100	18,800	18,700	18,700	18,800	19,100	19,400
NORTH DAKOTA	619,636	632,446	617,761	628,000	634,000	635,000	637,000	637,000	645,000	653,000

SOURCE: U.S. Bureau of the Census, Current Population Reports, and Census of Population, Number of Inhabitants--North Dakota, 1950, 1960 and 1970.

TABLE 1.06

POPULATION OF NORTH DAKOTA COUNTIES EXPRESSED AS PERCENT OF TOTAL NORTH DAKOTA POPULATION: 1950, 1960, AND 1970-1977

County	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977
Adams	0.8%	0.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Barnes	2.7	2.6	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.1
Benson	1.7	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Billings	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Bottineau	2.0	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Bowman	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
Burke	1.1	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Burleigh	4.1	5.4	6.6	6.6	6.7	6.9	7.1	7.4	7.5	7.7
Cass	9.5	10.6	11.9	12.0	12.3	12.3	12.4	12.5	12.6	12.8
Cavalier	1.9	1.6	1.3	1.5	1.6	1.7	1.8	1.8	1.7	1.4
Dickey	1.5	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Divide	1.0	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
Dunn	1.2	1.0	0.8	0.8	0.8	0.7	0.8	0.7	0.7	0.8
Eddy	0.9	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Emmons	1.6	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0
Foster	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Golden Valley	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Grand Forks	6.4	7.7	9.9	10.1	10.1	10.2	10.1	9.8	10.0	10.2
Grant	1.1	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Griggs	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6

TABLE 1.06--*Continued*

County	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977
Hettinger	1.1%	1.0%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.7%	0.7%
Kidder	1.0	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
La Moure	1.5	1.4	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Logan	1.0	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6
McHenry	2.0	1.8	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3
McIntosh	1.2	1.1	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
McKenzie	1.1	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
McLean	3.0	2.2	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.9
Mercer	1.4	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
Morton	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.6	3.6
Mountrail	1.5	1.6	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
Nelson	1.3	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Oliver	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4
Pembina	2.3	2.0	1.7	1.8	1.8	1.9	1.9	1.8	1.7	1.7
Pierce	1.3	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ramsey	2.3	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1
Ransom	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Renville	0.9	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Richland	3.2	3.0	2.9	2.9	2.9	2.9	2.8	2.9	2.9	2.9
Rolette	1.8	1.7	1.9	1.8	2.0	2.0	2.0	2.0	2.0	2.0
Sargent	1.2	1.1	1.0	1.0	1.0	0.9	0.9	1.0	0.9	0.9
Sheridan	0.8	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Sioux	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Slope	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Stark	2.6	2.9	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0

TABLE 1.06--*Continued*

County	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977
Steele	0.8%	0.7%	0.6%	0.6%	0.5%	0.6%	0.5%	0.6%	0.6%	0.5%
Stutsman	3.9	4.0	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6
Towner	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Traill	1.8	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Walsh	3.0	2.8	2.6	2[illegible]	2.7	2.6	2.5	2.5	2.6	2.6
Ward	5.6	7.4	9.5	9.7	9.6	9.5	9.5	9.6	9.5	9.4
Wells	1.7	1.5	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1
Williams	2.7	3.5	3.1	3.0	3.0	2.9	2.9	3.0	3.0	3.0

SOURCE: Calculated from U.S. Bureau of Census, Current Population Reports, and Census of Population, Number of Inhabitants --North Dakota, 1950, 1960 and 1970.

TABLE 1.07

ESTIMATED AVERAGE ANNUAL CHANGE IN NORTH DAKOTA POPULATION BY COUNTY, 1970-1977, AND ESTIMATED CHANGE FOR THE PERIODS 1950-1960, 1960-1970, AND 1970-1977

County	Annual Percentage Change							% Change for the Periods		
	1970 to 1971	1971 to 1972	1972 to 1973	1973 to 1974	1974 to 1975	1975 to 1976	1976 to 1977	1950 to 1960	1960 to 1970	1970 to 1977
Adams	- 3.4%	* %	2.7%	* %	* %	* %	* %	- 9.4%	-13.9%	* %
Barnes	.9	*	- 4.1	0.7	- 5.6	1.5	0.7	- 1.0	-12.3	- 6.2
Benson	.7	2.4	- 2.4	1.2	*	*	*	-11.6	-12.6	2.1
Billings	- 8.1	9.1	*	- 8.3	9.1	- 8.3	*	-14.9	-20.8	- 5.3
Bottineau	- 1.0	2.1	- 1.0	2.1	1.0	1.0	1.0	- 6.8	-16.1	4.5
Bowman	2.5	*	*	- 2.5	5.1	2.4	2.4	3.8	- 6.1	10.7
Burke	- 0.8	*	- 4.3	- 4.4	*	*	*	-11.1	-19.5	- 9.3
Burleigh	1.4	2.4	3.3	3.9	3.7	2.5	4.1	32.5	19.7	23.5
Cass	2.5	3.0	0.8	0.9	0.8	2.3	2.2	13.7	10.0	13.1
Cavalier	12.0	9.8	6.9	7.4	- 3.4	- 2.7	-13.8	-15.0	-18.4	14.9
Dickey	0.3	- 2.9	2.9	*	2.9	1.4	2.7	-10.7	-14.4	7.7
Divide	0.8	- 6.5	2.3	- 4.5	*	*	*	- 6.7	-18.0	- 8.3
Dunn	0.1	- 2.0	- 2.1	2.1	- 2.1	*	4.3	-12.0	-22.9	- 0.2
Eddy	- 0.1	- 4.9	2.6	- 5.0	0.0	*	*	- 8.1	-16.9	- 7.3
Emmons	*	- 2.8	*	*	- 2.9	- 1.5	- 1.5	-12.9	-14.9	- 7.8
Foster	1.4	2.0	- 4.0	*	*	2.1	*	0.4	- 9.9	2.1
Golden Valley	3.4	*	- 3.7	*	*	*	*	-11.4	-15.8	- 0.6
Grand Forks	3.8	0.8	1.6	- 0.8	- 2.8	3.0	2.8	23.4	25.5	8.5
Grant	1.8	*	*	- 2.0	*	*	*	-12.2	-19.8	- 0.9
Griggs	- 2.0	2.4	*	*	- 2.4	*	2.4	- 8.0	-16.7	- 0.2

TABLE 1.08

COMPONENTS OF NORTH DAKOTA POPULATION CHANGE BY COUNTY, 1970-1977

	Components of Change, 1970-1977				Change, 1970-1977	
			Net Migration			
County	Births	Deaths	Number	Percent	Number	Percent
NORTH DAKOTA	81,000	43,000	-2,000	-0.3%	36,000	5.8%
Adams	500	300	-200	-5.2	*	*
Barnes	1,500	1,300	-1,100	-7.7	-900	-6.2
Benson	1,200	800	-300	-3.5	200	2.1
Billings	100	*	-200	-12.7	-100	-5.3
Bottineau	1,000	800	200	2.5	400	4.5
Bowman	500	400	200	6.0	400	10.7
Burke	500	400	-500	-10.5	-400	-9.3
Burleigh	6,000	2,100	5,700	13.9	9,600	23.5
Cass	9,600	4,600	4,700	6.3	9,600	13.1
Cavalier	1,300	700	700	8.5	1,200	14.9
Dickey	800	600	400	5.1	500	7.7
Divide	400	400	-400	-9.1	-400	-8.3
Dunn	500	300	-200	-4.4	*	-0.2
Eddy	400	400	-400	-9.2	-300	-7.3
Emmons	700	400	-800	-11.6	-600	-7.8
Foster	600	400	-100	-2.5	100	2.1
Golden Valley	300	200	-100	-4.3	*	-0.6
Grand Forks	10,200	3,100	-1,900	-3.2	5,200	8.5
Grant	500	400	-200	-4.4	*	-0.9
Griggs	400	400	*	-0.4	*	-0.2
Hettinger	500	300	-500	-9.8	-300	-6.5
Kidder	500	300	-200	-4.2	*	0.4
La Moure	700	600	-200	-3.2	-100	-1.7
Logan	400	300	-400	-10.1	-300	-6.7
McHenry	900	700	-600	-7.1	-400	-4.4
McIntosh	400	400	-400	-6.6	-400	-7.6
McKenzie	800	500	-200	-3.7	100	1.6
McLean	1,300	1,000	700	5.9	1,000	9.1
Mercer	700	500	600	10.1	900	14.0
Morton	2,900	1,400	1,900	9.3	3,300	16.4
Mountrail	1,000	800	-300	-3.4	-100	-0.6
Nelson	500	700	500	8.1	300	4.5
Oliver	300	100	100	2.7	200	7.7
Pembina	1,300	1,100	100	0.7	300	3.2
Pierce	700	500	*	0.7	300	4.4
Ramsey	1,500	1,000	100	1.1	600	4.7
Ransom	800	700	100	1.9	100	2.1
Renville	400	300	-300	-6.7	-100	-3.4
Richland	1,900	1,500	600	3.5	1,000	5.7
Rolette	2,500	800	-200	-2.1	1,400	12.2

TABLE 1.08--*Continued*

County	Components of Change, 1970-1977				Change, 1970-1977	
			Net Migration			
	Births	Deaths	Number	Percent	Number	Percent
Sargent	700	500	-100	-1.6%	100	2.2%
Sheridan	300	300	100	1.6	100	3.6
Sioux	800	300	-200	-4.5	300	8.7
Slope	200	100	-300	-18.1	-200	-11.5
Stark	2,500	1,200	-1,400	-7.0	-100	-0.5
Steele	300	300	-300	-7.0	-200	-5.4
Stutsman	2,600	1,700	-800	-3.6	100	0.3
Towner	400	400	-200	-4.9	-200	-3.9
Traill	900	900	200	2.3	300	2.8
Walsh	1,800	1,400	100	0.4	500	3.3
Ward	10,000	2,900	-4,300	-7.4	2,800	4.7
Wells	800	700	-600	-8.0	-500	-7.0
Williams	2,400	1,400	-900	-4.9	100	0.7

SOURCE: U. S. Department of Commerce, Bureau of the Census, Current Population Reports, March 1979.

* Less than 50 persons or less than 0.05 percent.

TABLE 1.09

PERCENTAGE DISTRIBUTION OF COUNTY POPULATION BY SEX, AGE GROUP, AND RACE, 1970

	Sex		Age Group (Years)				Race			
County	% Male	% Female	% Under 18	% 18-44	% 45-64	% 65 & Over	% White	% Indian	% Negro	% Other
Adams	49.7	50.3	36.4	28.0	22.8	12.8	99.8	0.2	*	*
Barnes	49.7	50.3	32.4	31.4	21.7	14.5	99.9	0.1	*	*
Benson	51.3	48.7	40.6	24.9	21.8	12.7	80.1	18.8	*	1.0
Billings	52.8	47.2	40.9	25.2	26.9	6.3	99.7	0.3	*	*
Bottineau	51.2	48.8	34.2	27.8	23.9	14.1	99.5	0.4	*	0.1
Bowman	50.5	49.5	38.4	28.8	21.8	11.0	100.0	*	*	*
Burke	49.9	50.1	35.6	16.6	25.4	12.4	99.6	0.3	*	0.1
Burleigh	47.9	52.1	38.1	35.9	18.1	7.4	98.8	1.1	*	0.1
Cass	49.4	50.6	33.7	39.7	16.8	9.8	99.3	0.3	*	0.3
Cavalier	51.2	48.8	38.7	25.3	22.8	13.2	99.7	0.2	*	0.1
Dickey	50.1	49.9	34.2	17.2	22.7	15.9	99.7	0.2	*	*
Divide	53.5	46.5	33.8	27.4	25.5	13.3	98.7	0.1	1.0	0.2
Dunn	52.5	47.5	42.0	25.8	23.9	8.3	91.7	8.1	*	0.1
Eddy	49.2	50.8	37.7	22.8	23.4	16.1	99.6	0.4	*	*
Emmons	50.0	50.0	43.4	35.3	21.3	10.0	99.9	*	*	0.1
Foster	50.0	50.0	41.0	25.9	20.6	12.5	99.9	0.1	*	*
Golden Valley	50.6	49.4	37.0	25.9	23.2	13.9	99.6	0.2	*	0.2
Grand Forks	51.7	48.3	34.1	44.7	13.7	7.5	97.3	0.5	1.6	0.6
Grant	51.5	48.5	39.4	26.9	24.7	9.0	99.7	0.2	*	*
Griggs	53.2	46.8	33.3	25.0	25.8	15.9	99.9	*	*	*
Hettinger	50.3	49.7	41.5	25.9	23.0	9.6	99.9	0.1	*	*
Kidder	52.0	48.0	39.2	27.3	23.5	10.0	99.8	*	*	0.2
La Moure	50.5	49.5	37.0	25.0	24.1	13.9	99.9	*	*	0.1
Logan	50.8	49.2	40.2	26.3	24.1	9.4	99.8	*	*	0.2
McHenry	51.6	48.4	37.9	25.6	24.1	12.4	99.8	0.1	*	*
McIntosh	50.0	50.0	34.7	25.5	25.2	14.6	99.8	*	0.1	0.1
McKenzie	51.4	48.6	38.4	28.8	22.9	9.9	90.7	9.0	*	0.3
McLean	50.9	49.1	37.4	25.5	25.0	12.1	95.0	4.8	*	0.1
Mercer	49.3	50.7	35.9	27.8	25.5	10.8	98.8	1.2	*	*
Morton	49.2	50.8	41.4	29.3	19.1	10.2	99.4	0.5	*	0.1
Mountrail	50.9	49.1	38.7	26.4	23.2	11.7	90.8	9.1	*	0.1
Nelson	51.8	48.2	32.5	23.1	24.9	19.5	99.8	0.2	*	*
Oliver	52.9	57.1	40.4	29.2	23.1	7.3	99.4	0.6	*	*
Pembina	49.8	50.2	36.4	26.1	22.6	14.9	99.5	0.4	*	0.1
Pierce	50.1	49.9	39.3	25.5	22.7	12.5	99.5	0.4	*	0.1
Ramsey	50.0	50.0	36.6	29.0	20.9	13.5	98.5	1.3	*	0.1
Ransom	51.3	48.7	33.4	25.3	23.7	17.6	99.7	0.2	*	0.1
Renville	51.1	48.9	37.6	26.0	25.8	10.6	99.8	0.1	*	0.1
Richland	52.8	47.2	32.5	32.9	20.3	14.3	98.8	1.1	*	0.1
Rolette	50.1	49.9	48.6	27.5	16.1	7.8	48.7	50.9	0.1	0.3

TABLE 1.09--*Continued*

County	Sex		Age Group				Race			
	% Male	% Female	% Under 18	% 18-44	% 45-64	% 65 & Over	% White	% Indian	% Negro	% Other
Sargent	52.0	48.0	36.8	27.2	22.5	13.5	99.7	0.1	0.1	*
Sheridan	51.5	48.5	34.7	27.3	26.9	11.1	99.8	0.2	*	*
Sioux	51.7	48.3	50.4	28.9	15.9	4.8	48.8	50.9	*	0.2
Slope	52.6	47.4	44.1	27.5	20.6	7.8	99.9	*	*	0.1
Stark	49.1	50.9	39.6	34.2	17.4	8.8	99.7	0.3	*	*
Steele	52.1	47.9	35.6	28.2	22.6	13.6	98.5	0.2	1.1	0.1
Stutsman	49.8	50.2	34.5	31.3	22.0	12.2	99.2	0.5	0.1	0.3
Towner	51.2	48.8	37.3	23.9	25.0	13.8	99.1	0.8	*	*
Traill	50.2	49.8	29.8	29.7	23.2	17.3	99.5	0.2	0.1	0.2
Walsh	50.5	49.5	35.3	27.5	23.2	14.0	99.5	0.4	*	0.1
Ward	51.1	48.9	37.0	41.3	14.8	6.9	96.7	0.6	2.1	0.5
Wells	50.0	50.0	37.7	25.3	23.4	13.6	99.9	0.1	*	*
Williams	49.5	50.5	38.9	30.7	20.8	9.6	97.9	1.9	*	0.2
NORTH DAKOTA	50.4	49.6	36.6	32.9	19.8	10.7	97.0	2.3	0.4	0.2

SOURCE: Compiled from U.S. Department of Commerce, Census of Population: 1970 General Population Characteristics, North Dakota.

* Indicates a figure less than ore-tenth of one percent.

TABLE 1.07--*Continued*

County	Annual Percentage Change							% Change for the Periods		
	1970 to 1971	1971 to 1972	1972 to 1973	1973 to 1974	1974 to 1975	1975 to 1976	1976 to 1977	1950 to 1960	1960 to 1970	1970 to 1977
Hettinger	- 1.5%	- 4.0%	4.2%	- 2.0%	- 2.0%	* %	- 2.1%	-11.0%	-19.7%	- 6.5%
Kidder	- 1.4	*	4.7	- 4.4	*	*	2.3	-12.7	-19.0	0.4
La Moure	- 3.0	1.4	1.4	- 2.8	*	- 1.4	2.9	- 8.3	-18.2	- 1.7
Logan	- 3.4	*	*	- 4.9	2.6	*	*	-15.5	-20.9	- 6.7
McHenry	- 0.9	- 1.1	*	*	- 1.1	- 1.1	*	-11.6	-19.1	- 4.4
McIntosh	- 1.0	*	- 5.4	*	- 1.9	- 1.9	*	-11.7	-17.3	- 7.6
McKenzie	- 0.4	1.6	- 1.6	3.3	- 1.6	- 1.6	1.6	6.5	-16.0	1.6
McLean	4.2	- 0.9	- 0.9	*	0.9	2.6	3.4	-25.5	-19.8	9.1
Mercer	0.4	*	*	3.2	*	4.7	4.5	-21.7	- 9.3	14.0
Morton	2.4	0.5	- 0.5	1.9	2.8	6.4	1.3	8.8	- 3.2	16.4
Mountrail	6.7	- 3.3	- 1.1	- 2.3	1.2	*	- 1.2	7.0	-16.3	- 0.6
Nelson	0.4	3.4	- 3.3	*	*	1.7	3.4	-13.1	-17.9	4.5
Oliver	3.4	*	- 8.3	*	9.1	*	4.2	-15.6	-11.0	7.7
Pembina	3.5	4.5	3.4	1.7	- 4.9	- 5.4	0.9	- 7.5	-17.1	3.2
Pierce	2.8	1.5	- 1.5	- 3.1	4.8	- 1.5	1.5	-11.2	-14.5	4.4
Ramsey	- 0.1	7.8	- 2.2	- 2.2	*	3.8	- 2.2	- 6.5	- 3.9	4.7
Ransom	*	- 2.8	- 2.9	2.8	- 1.4	- 1.4	2.8	- 9.0	-12.1	2.1
Renville	1.9	- 5.1	2.7	- 2.6	2.7	- 2.6	*	-13.1	-18.5	- 3.4
Richland	0.6	1.1	- 1.1	- 0.5	1.1	0.5	3.8	- 5.2	-12.5	5.7
Rolette	0.4	10.3	- 0.8	- 1.6	1.6	1.5	0.7	- 4.1	8.5	12.2

TABLE 1.07--*Continued*

County	Annual Percentage Change							% Change for the Periods		
	1970 to 1971	1971 to 1972	1972 to 1973	1973 to 1974	1974 to 1975	1975 to 1976	1976 to 1977	1950 to 1960	1960 to 1970	1970 to 1977
Sargent	1.1%	1.7%	- 1.6%	* %	1.7%	- 1.6%	1.6%	-10.0%	-13.4%	2.2%
Sheridan	5.2	- 2.9	3.0	*	*	*	- 2.9	-17.2	-25.7	3.6
Sioux	1.9	8.1	- 2.5	2.6	2.5	- 2.4	- 2.5	- 0.9	- 0.8	8.7
Slope	- 5.7	- 7.1	7.7	- 7.1	7.7	- 7.1	*	-18.2	-21.6	-11.5
Stark	- 1.0	0.5	- 2.0	1.5	- 2.5	1.0	*	14.3	6.3	- 0.5
Steele	- 4.0	- 5.6	5.9	- 2.8	2.9	*	- 2.8	- 8.3	-20.6	- 5.4
Stutsman	0.6	- 0.4	- 0.8	0.9	- 1.3	*	1.3	4.1	- 6.3	0.3
Towner	1.2	- 4.3	*	2.2	- 6.5	*	4.7	-11.6	-17.4	- 3.9
Traill	- 1.8	1.1	- 2.1	1.1	- 1.1	3.2	2.1	- 6.8	- 9.6	2.8
Walsh	1.5	3.0	- 1.8	- 3.0	0.6	3.7	0.6	- 4.6	- 9.7	3.3
Ward	4.0	0.2	- 0.7	- 0.3	0.7	0.1	*	35.3	24.4	4.7
Wells	0.7	- 5.1	*	- 1.3	- 1.4		*	-11.3	-15.0	- 7.0
Williams	- 1.0	- 1.6	- 0.5	*	0.5	1.6	1.6	34.1	-12.5	0.7
NORTH DAKOTA	1.7	1.0	0.2	0.3	*	1.3	1.2	2.1	- 2.3	5.8

SOURCE: Calculated from U.S. Bureau of Census, Current Population Reports.

* Less than 50 persons or .05%.

TABLE 1.10

MEDIAN AGE OF POPULATION (YEARS) BY NORTH DAKOTA COUNTY: 1950. 1960, AND 1970

County	1950	1960	1970	County	1950	1960	1970
Adams	25.5	26.3	30.6	McLean	25.4	27.0	31.7
Barnes	29.0	27.4	29.1	Mercer	23.7	28.0	31.5
Benson	26.9	27.3	27.9	Morton	24.9	24.5	25.5
Billings	24.5	23.5	28.7	Mountrail	28.7	25.7	30.1
Bottineau	28.0	28.3	32.2	Nelson	30.7	34.8	40.0
Bowman	28.8	26.9	28.5	Oliver	23.3	23.5	26.5
Burke	29.8	29.7	33.7	Pembina	27.0	27.9	33.1
Burleigh	26.8	25.5	25.2	Pierce	23.4	24.5	29.8
Cass	28.6	26.0	24.8	Ramsey	28.3	28.2	28.8
Cavalier	26.2	27.0	31.3	Ransom	31.0	33.0	36.8
Dickey	27.6	29.0	33.7	Renville	28.5	27.9	31.3
Divide	30.5	29.2	33.0	Richland	28.3	28.9	27.6
Dunn	22.8	21.5	25.5	Rolette	22.0	19.5	19.2
Eddy	28.2	28.3	34.4	Sargent	27.2	28.8	30.6
Emmons	22.1	22.7	25.3	Sheridan	24.9	27.6	35.1
Foster	27.3	26.0	28.8	Sioux	19.6	17.8	18.4
Golden Valley	27.1	26.4	29.7	Slope	24.6	23.2	23.3
Grand Forks	27.3	24.4	23.2	Stark	23.9	22.3	22.7
Grant	22.3	23.7	28.9	Steele	29.3	29.5	32.8
Griggs	29.7	31.4	37.3	Stutsman	30.1	29.4	30.2
Hettinger	22.6	22.7	27.6	Towner	28.1	29.5	33.6
Kidder	24.3	25.2	29.3	Traill	30.2	31.6	34.6
La Moure	27.3	28.5	33.8	Walsh	29.1	30.3	32.3
Logan	22.7	24.0	29.5	Ward	27.5	24.3	23.4
McHenry	26.1	26.9	31.1	Wells	27.6	29.4	32.7
McIntosh	25.7	29.6	36.5	Williams	29.1	25.4	26.9
McKenzie	27.4	25.5	28.2	NORTH DAKOTA			26.4

SOURCE: U.S. Department of Commerce, Bureau of the Census, Census of Population: General Population Characteristics-North Dakota, 1950, 1960, and 1970.

TABLE 1.11

POPULATION OF NORTH DAKOTA CITIES, SELECTED YEARS, 1920-1970

City	1970	1960	1950	1940	1930	1920
Abercrombie	262	244	244	215	242	266
Adams	284	360	411	355	345	404
Alamo	124	182	192	214	211	------
Alexander	208	269	302	415	386	------
Alice	83	124	162	181	169	------
Almont	109	190	190	234	------	------
Alsen	201	228	114	312	358	------
Ambrose	109	220	286	294	334	389
Amenia	80	117	127	104	90	------
Amidon	54	84	82	102	141	145
Anamoose	401	503	542	478	495	563
Aneta	376	451	469	509	568	662
Antler	135	210	217	254	318	265
Ardoch	70	106	137	119	110	153
Argusville	118	118	126	145	115	------
Arnegard	141	228	206	222	254	------
Arthur	412	325	380	335	322	------
Ashley	1,236	1,419	1,423	1,345	1,033	1,009
Ayr	48	81	104	107	106	------
Balfour	93	159	162	193	197	322
Balta	133	165	196	263	------	------
Bantry	40	66	125	------	------	------
Barney	81	115	------	------	------	------
Bartlett*	32	39	61	78	67	98
Barton	34	80	102	157	170	158
Bathgate	133	175	209	312	292	352
Beach	1,408	1,460	1,461	1,178	1,263	1,006
Belfield	1,130	1,064	1,051	870	653	526
Benedict	72	129	127	167	145	195
Bergen	24	52	51	67	98	------
Berlin	76	78	124	132	135	130
Berthold	398	431	459	428	511	498
Berwick	33	56	71	92	------	------
Beulah	1,344	1,318	1,501	942	913	552
Binford	242	261	309	311	317	393
Bisbee	305	388	365	393	531	500
Bismarck	34,703	27,670	18,640	15,496	11,090	7,122
Bottineau	2,760	2,613	2,268	1,739	1,322	1,172
Bowbells	584	687	806	787	695	643
Bowdon	229	259	348	348	303	306
Bowman	1,762	1,730	1,382	967	888	767
Braddock	106	141	175	185	193	216
Brinsmade	36	110	136	206	199	191
Brocket	95	153	212	291	276	240
Bucyrus	42	60	111	117	124	113
Buffalo	241	234	261	245	242	268
Burlington*	495	262	------	------	------	------
Butte	193	257	272	261	231	------
Buxton	235	321	387	404	410	------
Calio	75	101	102	98	152	132
Calvin	78	104	152	------	------	------
Cando	1,512	1,566	1,530	1,282	1,164	1,111
Canton	81	130	139	148	125	101
Carpio	215	199	194	322	344	244

TABLE 1.11--*Continued*

City	1970	1960	1950	1940	1930	1920
Carrington	2,491	2,438	2,101	1,850	1,717	1,420
Carson	466	501	493	473	356	277
Casselton	1,485	1,394	1,373	1,358	1,253	1,528
Cathay	110	110	209	189	235	185
Cavalier*	2,433	1,423	1,459	1,105	850	819
Cayuga	116	195	178	196	219	182
Center	619	476	492	509	293	------
Churchs Ferry	139	161	223	244	295	353
Cleveland	128	169	181	246	273	341
Clifford	84	109	158	------	------	------
Cogswell	203	305	393	430	426	445
Coleharbor*	112	210	315	------	------	------
Colfax	70	98	------	------	------	------
Columbus	465	672	525	506	516	332
Conway	57	67	107	120	100	148
Cooperstown	1,485	1,424	1,189	1,077	1,053	1,112
Courtenay	125	168	229	297	350	490
Crary	150	195	235	267	278	307
Crosby	1,545	1,759	1,689	1,404	1,271	1,147
Crystal	272	372	429	428	314	349
Davenport	147	143	150	147	205	214
Dawson	131	206	280	263	306	293
Dazey	128	226	196	215	251	293
Deering	75	117	136	140	192	142
Des Lacs	197	185	180	197	205	188
Devils Lake	7,078	6,299	6,427	6,204	5,519	5,110
Dickey	118	143	165	203	168	190
Dickinson	12,405	9,971	7,469	5,839	5,025	4,122
Dodge	121	226	251	234	204	172
Donnybrook	163	196	207	215	259	267
Douglas	144	210	236	313	288	284
Drake	636	752	831	654	644	517
Drayton	1,095	940	875	688	502	637
Dunn Center	107	250	246	238	276	217
Dunseith	811	1,017	713	719	484	374
Dwight	93	101	129	168	104	139
Eckman	9	5	55	66	79	64
Edgeley	888	992	943	803	821	803
Edinburg	315	330	343	378	284	278
Edmore	398	405	458	453	396	501
Egeland	96	190	248	275	333	306
Elgin	839	944	882	583	505	429
Ellendale*	1,792	1,800	1,759	1,517	1,264	1,334
Elliot	50	62	87	118	106	------
Emerado*	864	328	------	------	------	------
Enderlin	1,343	1,596	1,504	1,593	1,839	1,919
Epping	140	151	158	154	183	116
Esmond	416	420	475	449	313	313
Fairdale	102	126	131	187	171	192
Fairmount	412	503	660	705	611	706
Fargo	53,365	46,662	38,256	32,580	28,619	21,961
Fessenden	815	920	917	902	738	731
Fingal	166	190	210	300	324	------
Finley	809	808	671	677	587	599
Flasher	467	515	413	387	346	287
Flaxton	286	375	436	362	423	374

TABLE 1.11--*Continued*

City	1970	1960	1950	1940	1930	1920
Forbes	88	138	204	268	265	293
Fordville	361	367	376	439	442	320
Forest River	169	191	236	207	198	226
Forman	596	530	466	500	386	402
Fortuna	216	185	181	214	196	198
Fort Yates	1,153	------	------	------	------	------
Fredonia	100	141	268	309	394	296
Fullerton	110	181	206	184	206	202
Gackle	470	523	604	537	493	424
Galesburg	134	166	169	------	------	------
Gardena	84	113	116	125	120	99
Gardner	96	107	136	103	108	------
Garrison	1,614	1,794	1,890	1,117	1,024	714
Gascoyne	34	50	76	48	97	60
Gilby	268	281	------	------	------	------
Gladstone	222	185	224	278	------	------
Glenburn	381	363	281	190	263	228
Glenfield	127	129	------	------	------	------
Glen Ullin	1,070	1,210	1,324	976	950	875
Golden Valley	235	286	332	400	294	369
Golva	104	162	174	------	------	------
Goodrich	300	392	448	476	468	476
Grafton	5,946	5,885	4,901	4,070	3,136	2,512
Grand Forks Base**	10,474	------	------	------	------	------
Grand Forks*	40,060	34,451	26,836	20,228	17,112	14,010
Grandin	187	147	156	158	172	------
Grano	4	14	27	57	90	112
Granville	282	400	404	443	450	394
Great Bend	86	164	169	198	169	142
Grenora	401	448	525	425	487	358
Gwinner	623	242	197	------	------	------
Hague	146	197	328	442	364	315
Halliday	413	509	477	395	305	289
Hamberg	51	64	124	164	187	------
Hamilton	110	217	241	255	151	200
Hampden	114	71	203	193	222	199
Hankinson	1,125	1,285	1,409	1,420	1,400	1,477
Hanks	13	78	115	192	213	------
Hannaford	244	277	313	405	351	431
Hannah	145	253	257	261	262	------
Hansboro	49	143	134	196	176	218
Harvey	2,361	2,365	2,337	1,851	2,157	1,590
Hatton	808	856	991	933	804	828
Havana	156	206	267	305	271	319
Haynes	53	111	145	210	167	113
Hazelton	374	451	453	500	446	382
Hazen	1,240	1,222	1,230	662	689	520
Hebron	1,103	1,340	1,412	1,267	1,348	1,374
Hettinger	1,655	1,769	1,762	1,138	1,292	817
Hillsboro	1,309	1,278	1,331	1,338	1,317	1,183
Hoople	330	334	447	346	325	250
Hope	364	390	470	474	535	699
Horace	276	178	190	------	------	------
Hove Mobile Park*	69	------	------	------	------	------
Hunter	362	446	417	414	406	424
Hurdsfield	139	183	223	258	220	------

TABLE 1.11--*Continued*

City	1970	1960	1950	1940	1930	1920
Inkster	198	282	304	310	257	368
Jamestown	15,385	15,163	10,697	8,790	8,187	6,627
Jud	110	156	175	202	140	178
Karlsruhe	172	221	282	289	258	------
Kathryn	109	142	200	229	224	289
Kenmare*	1,937	1,696	1,712	1,528	1,494	1,446
Kensal	263	334	376	356	420	415
Kief	46	97	135	159	139	307
Killdeer	615	765	698	650	495	512
Kindred	495	580	504	450	429	334
Knox	104	122	190	189	177	173
Kramer	125	175	198	220	190	172
Kulm	625	664	707	734	742	725
Lakota*	1,144	1,066	1,032	907	860	959
La Moure	951	1,068	1,010	990	889	1,014
Landa	61	110	132	149	140	------
Langdon*	3,923	2,151	1,838	1,546	1,221	1,228
Lankin	221	303	287	283	267	334
Lansford	296	382	352	300	353	337
Larimore	1,469	1,714	1,374	1,222	979	1,089
Larson	35	62	59	79	89	114
Lawton	123	159	211	210	233	227
Leal	41	70	72	102	105	88
Leeds	626	797	778	782	725	704
Lehr	287	381	394	536	458	362
Leith	92	100	160	166	174	158
Leonard	221	232	------	------	------	------
Lidgerwood	1,000	1,081	1,147	1,042	1,029	1,005
Lignite	354	355	230	235	217	214
Linton	1,695	1,826	1,675	1,602	1,192	1,011
Lisbon	2,090	2,093	2,031	1,997	1,650	1,855
Litchville	294	345	408	430	410	528
Loma*	85	20	53	256	293	------
Loraine	33	54	70	74	92	74
Ludden	44	59	96	150	164	132
Luverne	84	109	154	187	177	225
McClusky	664	751	850	924	719	646
McHenry	152	155	180	250	219	299
McVille	583	551	626	548	513	546
Maddock	708	740	714	691	631	557
Makoti	159	214	219	212	276	------
Mandan	11,093	10,525	7,298	6,685	5,037	4,336
Mantador	95	98	138	------	------	------
Manvel	265	313	278	209	183	------
Mapleton	219	180	169	180	195	198
Marion	215	309	272	242	258	294
Marmarth	247	319	469	626	721	1,318
Martin	120	146	171	228	211	------
Max	301	410	465	423	500	473
Maxbass	174	218	259	215	217	147
Mayville	2,554	2,168	1,790	1,351	1,199	1,218
Maza	20	31	82	66	70	------
Medina	488	545	564	500	407	415
Medora	129	133	------	------	------	------
Mercer	132	154	214	------	------	------
Merricourt	22	66	105	153	120	70

TABLE 1.11--*Continued*

City	1970	1960	1950	1940	1930	1920
Michigan City*	478	451	486	491	433	491
Milnor	645	658	674	677	564	680
Milton	198	264	322	310	329	393
Minnewaukan	496	420	443	521	480	564
Minot	32,290	30,604	22,032	16,577	16,099	10,476
Minot Base**	12,077	------	------	------	------	------
Minto	636	642	592	630	565	602
Mohall	950	956	1,073	687	676	651
Monango	112	133	138	175	211	231
Montpelier	116	97	105	133	165	186
Mooreton	158	164	161	146	147	123
Mott	1,368	1,463	1,583	1,220	1,036	723
Mountain	146	218	219	205	------	------
Munich	249	213	248	216	260	248
Mylo	51	103	110	89	134	140
Napoleon	1,036	1,078	1,070	982	709	554
Neche	451	545	615	565	502	528
Nekoma	84	143	140	184	191	189
Newburg	125	158	105	119	87	110
New England	906	1,095	1,117	895	911	613
New Leipzig	354	390	447	366	443	378
New Rockford	1,969	2,177	2,185	2,017	1,195	2,111
New Salem	943	986	942	875	804	711
New Town	1,428	1,586	------	------	------	------
Niagara	115	157	163	179	207	199
Nome	103	145	217	277	218	267
Noonan	403	525	551	520	423	376
Northwood	1,189	1,195	1,182	1,063	971	935
Oakes	1,742	1,650	1,774	1,665	1,709	1,637
Oberon	151	248	238	------	------	------
Omemee	5	11	60	123	170	222
Oriska	128	148	135	217	183	300
Osnabrock*	412	289	284	269	244	310
Overly	28	65	90	125	154	193
Page	367	432	482	428	443	452
Palermo	146	188	150	178	205	179
Park River*	2,056	1,813	1,692	1,408	1,131	1,114
Parshall	1,246	1,216	935	570	470	376
Pekin	120	180	221	229	210	197
Pembina	741	625	640	703	551	802
Perth	44	73	124	145	153	218
Petersburg	266	272	318	285	310	367
Pettibone	173	205	------	------	------	------
Pick City	119	101	294	------	------	------
Pillsbury	50	76	119	161	260	142
Pingree	76	151	161	167	266	286
Pisek	154	176	215	242	225	300
Plaza	291	385	389	360	408	345
Portal	251	351	409	499	512	545
Portland	534	606	641	551	500	623
Powers Lake	523	633	565	464	382	251
Rawson	10	28	32	72	65	------
Ray	776	1,049	721	579	621	563
Reeder	306	321	339	263	395	258
Regan	74	104	129	149	162	202
Regent	344	398	405	261	308	262

TABLE 1.11--*Continued*

City	1970	1960	1950	1940	1930	1920
Reynolds	236	269	335	315	351	389
Rhame	206	254	340	283	356	302
Richardton	799	792	721	682	710	626
Riverdale**	545	1,055	------	------	------	------
Robinson	125	155	166	160	185	------
Rock Lake	270	350	385	348	279	238
Rogers	96	119	150	174	169	173
Rolette	579	524	451	460	428	409
Rolla*	1,522	1,398	1,176	1,008	852	675
Ross	125	167	------	------	------	------
Rugby*	3,150	2,972	2,907	2,215	1,512	1,424
Russo	15	31	37	65	104	120
Russell	14	25	51	70	94	119
Rutland	225	308	309	305	264	291
Ryder	211	264	330	467	457	483
St. John	367	420	451	517	372	460
St. Thomas	508	660	566	503	595	500
Sanborn	255	263	324	366	343	391
Sanish	25	63	507	455	463	337
Sarles	148	225	285	302	383	348
Sawyer	373	390	264	271	206	241
Scranton	360	358	360	277	381	353
Selfridge	346	371	343	329	351	153
Sentinel Butte	125	160	229	256	219	292
Sharon	201	251	312	371	328	362
Sheldon	192	221	267	281	327	321
Sherwood	369	360	421	390	455	423
Sheyenne	362	423	469	431	417	------
Sibley	20	22	------	------	------	------
Solen	180	------	------	------	------	------
Souris	151	213	206	259	248	269
South Heart	132	------	------	------	------	------
Springbrook	27	35	51	77	103	93
Stanley	1,581	1,795	1,486	1,058	936	591
Stanton	517	409	571	370	358	325
Starkweather	193	223	229	295	312	302
Steele	696	847	762	721	519	550
Strasburg	642	612	733	994	695	653
Streeter	324	491	602	647	711	640
Surrey*	735	309	------	------	------	------
Sykeston	232	236	272	273	327	367
Tagus	14	72	101	140	136	133
Tappen	294	326	379	323	268	182
Taylor	162	215	258	251	263	285
Thompson	291	211	270	276	273	------
Tioga	1,667	2,087	456	385	435	320
Tolley	163	189	248	177	225	325
Tolna	247	291	281	172	174	199
Towner City	289	300	292	364	435	447
Towner	870	948	955	918	622	610
Turtle Lake	712	792	839	632	579	395
Tuttle	216	255	368	357	383	321
Underwood	781	819	1,061	613	488	453
Upham	272	333	403	243	257	196
Valley City	7,843	7,809	6,851	5,917	5,268	4,681
Velva	1,241	1,330	1,170	1,017	870	836

TABLE 1.11--*Continued*

City	1970	1960	1950	1940	1930	1920
Venturia	77	148	190	257	233	201
Verona	140	162	189	201	222	258
Voltaire	54	70	72	101	61	------
Wahpeton	7,076	5,876	5,125	3,747	3,176	3,069
Walcott*	166	------	------	------	------	------
Wales	116	151	235	------	------	------
Walhalla	1,471	1,432	1,463	1,138	700	634
Warwick	168	204	155	224	249	290
Washburn	804	993	913	901	753	558
Watford City	1,768	1,865	1,371	1,073	769	260
West Fargo*	6,437	3,328	1,632	707	------	------
West Fargo Ind. Park	104	------	------	------	------	------
Westhope	705	824	575	460	521	439
Wheelock	21	82	101	94	115	------
White Earth	128	208	218	272	240	247
Wildrose	235	361	430	472	518	449
Williston	11,280	11,866	7,378	5,790	5,106	4,178
Willow City	403	494	595	524	577	559
Wilton	695	739	796	851	1,001	1,026
Wimbledon	337	402	449	357	421	521
Wing	223	303	312	235	237	------
Wishek	1,275	1,290	1,241	1,112	1,146	1,003
Wolford	81	136	140	206	------	------
Woodworth	139	221	207	245	261	297
Wyndmere	516	644	627	499	521	170
York	102	148	------	------	------	------
Zap	271	339	425	574	406	257
Zeeland	313	427	484	489	419	323

SOURCE: North Dakota Secretary of State, North Dakota Blue Book, 1973.

* Revised 1970 Census.

** Unincorporated.

TABLE 1.12

POPULATION OF NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES: 1950, 1960, 1970, AND 1977

Municipality	1950	1960	1970	1977*
Fargo	38,256	46,662	53,365	57,394
Grand Forks	26,836	34,451	39,008	42,959
Bismarck	18,640	27,670	34,703	41,448
Minot	22,032	30,604	32,290	32,713
Jamestown	10,697	15,163	15,385	15,288
Dickinson	7,469	9,971	12,405	12,603
Williston	7,378	11,866	11,280	11,757
Mandan	7,298	10,525	11,093	13,979
Valley City	6,851	7,809	7,843	7,013
Devils Lake	6,427	6,299	7,078	7,468
Wahpeton	5,125	5,876	7,076	8,701
Grafton	4,901	5,885	5,946	5,798
West Fargo	1,032	3,328	5,161	8,250
Rugby	2,907	2,972	2,889	3,234
Bottineau	2,268	2,613	2,760	2,888
15-City Total	168,117	221,694	248,882	271,493
% State Population	27.1%	35.1%	40.2%	41.6%

SOURCE: U.S. Bureau of the Census, U.S. Census of Population: 1970. Number of Inhabitants, North Dakota, and U.S. Department of the Treasury, Office of Revenue Sharing.

*Preliminary estimates supplied by Office of Revenue Sharing for July 1, 1977.

TABLE 1.13

SPECIAL CENSUSES OF NORTH DAKOTA CITIES, April 1, 1970-June 30, 1979

City	County	Census Date	Population
Almont	Morton	11/03/77	157
Alsen	Cavalier	09/26/73	174
Bartlett	Ramsey	08/14/72	32
Beulah	Mercer	03/23/77	1,611
		01/10/79	2,311
Bismarck	Burleigh	02/18/75	38,123
		10/20/78	42,412
Bloom	Stutsman	04/01/79	320
Bottineau	Bottineau	12/01/75	2,850
Bowman	Bowman	12/09/74	1,987
Briarwood	Cass	(3)	57
Burlington	Ward	05/30/73	495
Calio	Cavalier	09/26/73	66
Calvin	Cavalier	09/26/73	72
Carrington	Foster	09/13/76	2,637
Cavalier	Pembina	11/13/72	2,433
Devils Lake	Ramsey	11/14/77	7,354
Dickinson	Stark	09/17/75	12,496
Ellendale	Dickey	02/26/73	1,792
Emerado	Grand Forks	12/07/71	864
Fargo	Cass	01/09/75	55,815
Flasher	Morton	11/03/77	390
Fort Berthold[1]	Mercer	01/10/79	55
Fort Ransom	Ransom	04/01/77	101
Frontier	Cass	(3)	54
Glen Ullin	Morton	11/03/77	1,025
Golden Valley	Mercer	01/10/79	276
Grafton	Walsh	08/13/73	5,931
Grand Forks	Grand Forks	10/07/71	40,060
		09/17/76	42,581
Gwinner	Sargent	03/22/76	792
Hannah	Cavalier	09/26/73	123
Hazen	Mercer	08/25/75	1,558
		01/10/79	2,199
Hebron	Morton	11/03/77	1,041
Hillsboro	Traill	03/25/74	1,425
Horace	Cass	09/20/78	462
Hove Mobile Park	Cavalier	09/26/73	17
Jamestown	Stutsman	11/30/71	15,078
Kenmare	Ward	07/19/71	1,937
Lakota	Nelson	08/03/71	1,144
		06/01/76	1,258
Langdon	Cavalier	07/19/71	3,923
		09/26/73	3,957
Larimore	Grand Forks	06/08/77	1,558
Loma	Cavalier	09/26/73	56
Mandan	Morton	11/07/73	11,400
		11/03/77	14,213
Michigan	Nelson	09/22/76	592
Milton	Cavalier	09/26/73	293
Minot	Ward	11/05/75	32,823
Mohall	Renville	08/21/78	1,081
Munich	Cavalier	09/26/73	282
Nekoma	Cavalier	09/26/73	138

TABLE 1.13--*Continued*

City	County	Census Date	Population
New Salem	Morton	11/03/77	1,091
North River	Cass	(3)	54
Oakes	Dickey	06/06/77	2,017
Osnabrock	Cavalier	06/23/72	412
		09/26/73	335
Park River	Walsh	06/19/72	2,056
Pick City	Mercer	01/10/79	156
Prairie Rose	Cass	(3)	64
Regan	Burleigh	02/18/75	82
Reiles Acres	Cass	07/01/75	114
Rolette	Rolette	06/26/78	704
Rugby	Pierce	10/10/72	3,150
Sarles[2]	Cavalier	09/26/73	103
Stanton	Mercer	05/25/77	583
		01/10/79	614
Surrey	Ward	11/09/72	735
		07/12/77	990
Thompson	Grand Forks	10/08/75	532
Turtle Lake	McLean	09/12/77	818
Underwood	McLean	09/12/77	1,152
Wahpeton	Richland	11/06/75	8,257
Wales	Cavalier	09/26/73	113
Washburn	McLean	05/23/77	1,397
		01/15/79	1,745
West Fargo	Cass	12/12/72	6,437
		03/29/76	7,919
		04/11/78	8,448
Williston	Williams	09/14/77	11,771
Wilton	Burleigh & McLean	02/18/75	779
		03/07/78	930
Wing	Burleigh	02/18/75	230
Zap	Mercer	01/10/79	347

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports, (Biannual summaries of special censuses conducted by the Census Bureau), and unpublished data.

[1] Area within Mercer County only.

[2] Area within Cavalier County only.

3 Exact date unknown.

TABLE 1.14

ESTIMATED POPULATION OF NORTH DAKOTA CITIES, JULY 1, 1976

City	Population	City	Population	City	Population	City	Population	City	Population
Abercrombie	315	Berwick	31	Clifford	82	Egeland	56	Gladstone	215
Adams	273	Beulah	1,583	Cogswell	148	Elgin	814	Glenburn	386
Alamo	168	Binford	216	Coleharbor	148	Ellendale	1,965	Glenfield	135
Alexander	204	Bisbee	270	Colfax	63	Elliot	52	Glen Ullin	1,033
Alice	67	Bismarck	39,838	Columbus	442	Emerado	734	Golden Valley	202
Almont	149	Bottineau	2,859	Conway	46	Enderlin	1,228	Golva	96
Alsen	167	Bowbells	556	Cooperstown	1,436	Epping	129	Goodrich	303
Ambrose	105	Bowdon	215	Courtenay	102	Esmond	401	Grafton	5,807
Amenia	83	Bowman	2,045	Crary	129	Fairdale	99	Grand Forks	42,463
Amidon	32	Braddock	84	Crosby	1,503	Fairmount	341	Grandin	224
Anamoose	313	Brinsmade	28	Crystal City	245	Fargo	57,063	Grano	4
Aneta	400	Brocket	72	Davenport	179	Fessenden	731	Granville	287
Antler	146	Bucyrus	39	Dawson	104	Fingal	134	Great Bend	86
Ardoch	86	Buffalo	249	Dazey	151	Finley	829	Grenora	394
Argusville	184	Burlington	590	Deering	74	Flasher	404	Gwinner	800
Arnegard	149	Butte	165	Des Lacs	206	Flaxton	226	Hague	104
Arthur	410	Buxton	299	Devils Lake	7,662	Forbes	81	Halliday	399
Ashley	1,172	Calio	59	Dickey	119	Fordville	414	Hamberg	42
Ayr	34	Calvin	82	Dickinson	12,509	Forest River	188	Hamilton	92
Balfour	83	Cando	1,401	Dodge	128	Forman	658	Hampden	138
Balta	145	Canton	94	Donnybrook	161	Fortuna	337	Hankinson	1,040
Bantry	32	Carpio	217	Douglas	99	Fort Yates	1,445	Hanks	13
Barney	54	Carrington	2,632	Drake	599	Fredonia	70	Hannaford	233
Barton	32	Carson	450	Drayton	1,118	Fullerton	94	Hannah	96
Bathgate	95	Casselton	1,579	Dunn Center	95	Gackle	406	Hansboro	76
Beach	1,291	Cathay	85	Dunseith	879	Galesburg	127	Harvey	2,237
Belfield	1,101	Cavalier	1,882	Dwight	93	Gardena	56	Hatton	753
Benedict	66	Cayuga	92	Eckman	9	Gardner	97	Havana	154
Bergen	21	Center	867	Edgeley	870	Garrison	1,552	Haynes	47
Berlin	67	Churchs Ferry	133	Edinburg	328	Gascoyne	51	Hazelton	302
Berthold	355	Cleveland	132	Edmore	377	Gilby	230	Hazen	1,608

TABLE 1.14--*Continued*

City	Population	City	Population	City	Population	City	Population	City	Population
Hebron	1,052	Lawton	110	Mayville	2,259	Nome	91	Regent	320
Hettinger	1,630	Leal	46	Maza	14	Noonan	289	Reynolds	93
Hillsboro	1,555	Leeds	655	Medina	483	Northwood	1,236	Rhame	181
Hoople	338	Lehr	284	Medora	119	Oakes	1,778	Richardton	753
Hope	365	Leith	102	Mercer	125	Oberon	130	Riverside	127
Horace	364	Leonard	232	Merricourt	17	Omemee	2	Robinson	129
Hove Mobile Park	15	Lidgerwood	889	Michigan	588	Oriska	121	Rock Lake	238
Hunter	347	Lignite	336	Milnor	700	Osnabrock	330	Rogers	96
Hurdsfield	122	Lincoln	520	Milton	267	Overly	39	Rolette	658
Inkster	140	Linton	1,597	Minnewaukan	515	Page	347	Rolla	1,643
Jamestown	15,259	Lisbon	2,170	Minot	32,885	Palermo	118	Ross	122
Jud	94	Litchville	319	Minto	673	Park River	1,916	Rugby	3,179
Karlshrue	125	Loma	63	Mohall	958	Parshall	986	Russo	17
Kathryn	103	Loraine	33	Monango	102	Pekin	91	Russell	8
Kenmare	1,455	Ludden	42	Montpelier	109	Pembina	740	Rutland	249
Kensal	254	Luverne	86	Mooreton	178	Perth	29	Ryder	233
Kief	53	McClusky	808	Mott	1,372	Petersburg	269	St. John	416
Killdeer	651	McHenry	141	Mountain	127	Pettibone	150	St. Thomas	485
Kindred	577	McVille	586	Munich	298	Pick City	123	Sanborn	232
Knox	121	Maddock	780	Mylo	45	Pillsbury	43	Sarles	125
Kramer	92	Makoti	138	Napoleon	948	Pingree	117	Sawyer	381
Kulm	586	Mandan	13,275	Neche	348	Pisek	109	Scranton	362
Lakota	1,262	Mantador	70	Nekoma	287	Plaza	276	Selfridge	287
La Moure	982	Manvel	235	Newburg	142	Portal	325	Sentinel Butte	141
Landa	60	Mapelton	250	New England	838	Portland	592	Sharon	169
Langdon	3,926	Marion	217	New Leipzig	326	Powers Lake	532	Sheldon	166
Lankin	205	Marmath	198	New Rockford	1,823	Rawson	13	Sherwood	371
Lansford	372	Martin	123	New Salem	1,065	Ray	697	Sheyenne	339
Larimore	1,546	Max	370	New Town	1,700	Reeder	294	Sibley	11
Larson	29	Maxbass	177	Niagara	126	Regan	84	Solen	166

2.00

HEALTH AND VITAL STATISTICS

This section presents vital statistics (births, deaths, infant deaths, maternal deaths, marriages and divorces) and data on communicable diseases, immunization status of children, health-care facilities and health-care personnel for North Dakota and its counties. The primary sources of data contained herein are the published and unpublished reports of various divisions within the North Dakota State Department of Health.

Vital statistics are compiled by the Health Department's Office of Statistical Services and are published in the Department's *Biennial Report*. The most recent data are available from "provisional reports," the computer printouts utilized in preparation of the *Biennial Reports*. A useful historical series of vital statistics is provided in *Vital Facts About North Dakota For Twenty Years*, which presents vital events by county for the period 1952 through 1971.

Data pertaining to communicable diseases and immunization status of children are compiled by the Health Department's Division of Disease Control. These data are also published in the *Biennial Report*, although recent data are available only in unpublished form.

Statistics of general hospitals, nursing homes and intermediate-care facilities are collected by the Division of Health Facilities. A list of facilities by city is updated periodically and is available in photocopied form. Data on the North Dakota State Hospital are available in that institution's biennial report, published within the Health Department's *Biennial Report*. Public health data are compiled on a quarterly basis by the Division of Community Health Nursing and also appear in the *Biennial Report* of the State Health Department.

Data on licensed medical professionals are available from a variety of sources. A listing of practicing dentists is maintained by the North Dakota State Department of Health, Division of Dental Health. Registers of licensed physicians, optometrists, pharmacists and chiropractors are available from the associated licensing authorities: The North Dakota Board of Medical Examiners, The North Dakota Optometric Association, The North Dakota Board of Pharmacy and The North Dakota Chiropractic Association. Nursing data are available in the "Nursing Report," issued by the University of North Dakota Division of Continuing Education.

A glossary of basic vital statistics terminology follows for those who are not acquainted with the various rates specified within several of the tables which appear in this section. Data related to health insurance and health care costs can be found in section 11.00, Banking, Finance, and Insurance.

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TABLE 2.01

GLOSSARY OF HEALTH AND VITAL STATISTICS TERMS

CRUDE DEATH RATE - The number of deaths reported during a given time interval per 1,000 estimated mid-interval population.

CRUDE BIRTH RATE - The number of live births reported during a given time interval per 1,000 estimated mid-interval population.

SPECIFIC-CAUSE-OF-DEATH RATE - The number of deaths assigned to a specific cause (e.g. accident, phemonia, etc.) during a given time interval per 1,000 estimated mid-interval population.

MATERNAL MORTALITY RATE - The number of deaths from deliveries and complications of pregnancy, childbirth, and the puerperium, for a given time interval per 10,000 live births during the same period.

TABLE 2.02

RESIDENT LIVE BIRTHS AND CRUDE BIRTH RATES IN NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1940-1977

Year	North Dakota		United States	
	Births	Crude Birth Rate	Births	Crude Birth Rate
1940	13,135	20.5	2,559,000	19.4
1945	13,147	25.8	2,858,000	20.4
1950	17,076	27.6	3,632,000	24.1
1955	17,239	27.0	4,097,000	25.0
1960	16,690	26.3	4,258,000	23.7
1965	13,198	20.2	3,760,000	19.4
1970	11,004	17.8	3,731,000	18.4
1971	10,361	16.6	3,556,000	17.2
1972	10,115	16.0	3,258,000	15.6
1973	9,738	15.3	3,137,000	14.9
1974	10,010	15.7	3,160,000	14.9
1975	10,624	16.7	3,149,000	14.8
1976	10,724	16.7	3,165,000	14.7
1977	11,450	17.5	3,313,000	15.3

SOURCE: North Dakota State Department of Health, Forty-Fifth Biennial Report and Vital Facts About North Dakota for Twenty Years.

TABLE 2.03

RESIDENT BIRTHS, DEATHS, INFANT DEATHS, MATERNAL DEATHS, AND CRUDE RATES IN NORTH DAKOTA, SELECTED YEARS, 1940-1977

Year	Births		Deaths		Infant Deaths		Maternal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1940	13,135	20.5	5,257	8.2	593	45.1	24	18.3
1950	17,076	27.6	5,209	8.4	461	27.0	9	5.3
1955	17,239	27.0	5,270	8.2	433	25.1	6	3.5
1960	16,690	26.3	5,449	8.6	414	24.8	5	3.0
1965	13,198	20.2	5,579	8.6	279	21.1	3	2.3
1970	11,004	17.8	5,606	9.1	157	14.3	4	3.6
1971	10,361	16.5	5,591	8.9	158	15.2	1	1.0
1972	10,115	16.0	5,651	8.9	164	16.2	--	----
1973	9,738	15.3	5,789	9.1	160	16.4	3	3.1
1974	10,010	15.7	5,772	9.1	169	16.9	1	1.0
1975	10,624	16.7	5,482	8.6	156	14.7	2	1.9
1976	10,724	16.7	5,523	8.6	149	13.9	1	0.9
1977	11,450	17.5	5,198	8.0	159	13.9	2	1.7

SOURCE: North Dakota State Department of Health, Forty-Fifth Biennial Report and Vital Facts About North Dakota for Twenty Years.

TABLE 2.04

RESIDENT LIVE BIRTHS AND CRUDE BIRTH RATES BY NORTH DAKOTA COUNTY, 1970 AND 1977

County	1970		1977	
	Births	Crude Birth Rate	Births	Crude Birth Rate
NORTH DAKOTA	11,004	17.8	11,450	17.5
Adams	48	12.5	47	12.4
Barnes	246	16.8	220	15.9
Benson	148	18.0	163	19.4
Billings	19	15.9	9	8.2
Bottineau	148	15.6	146	14.7
Bowman	66	16.9	85	19.8
Burke	62	13.1	56	13.0
Burleigh	791	19.4	888	17.7
Cass	1,333	18.1	1,455	17.5
Cavalier	124	15.1	129	13.7
Dickey	96	13.8	115	15.3
Divide	65	14.2	50	11.9
Dunn	72	14.7	82	16.7
Eddy	54	13.2	53	13.9
Emmons	116	16.1	94	14.2
Foster	73	15.1	78	15.9
Golden Valley	40	15.3	37	14.2
Grand Forks	1,430	23.4	1,340	20.2
Grant	71	14.2	54	10.8
Griggs	46	11.0	64	15.2
Hettinger	78	15.4	68	14.5
Kidder	85	19.5	67	15.2
La Moure	86	12.1	101	14.4
Logan	50	11.8	46	11.5
McHenry	135	15.0	117	13.6
McIntosh	74	13.3	58	11.4
McKenzie	83	13.5	102	16.5
McLean	167	14.8	225	18.3
Mercer	84	13.6	120	17.1
Morton	369	18.2	493	20.9
Mountrail	135	16.0	134	16.0
Nelson	61	10.6	63	10.3
Oliver	29	12.5	49	19.6
Pembina	164	15.3	192	17.3
Pierce	115	18.2	106	16.1

TABLE 2.04--*Continued*

County	1970		1977	
	Births	Crude Birth Rate	Births	Crude Birth Rate
Ramsey	197	15.3	211	15.6
Ransom	97	13.7	111	15.2
Renville	65	17.0	44	11.9
Richland	237	13.1	304	15.9
Rolette	303	26.2	354	27.2
Sargent	91	15.3	101	16.6
Sheridan	46	14.2	46	13.9
Sioux	96	26.4	97	24.9
Slope	28	18.9	26	20.0
Stark	372	19.0	331	17.0
Steele	47	12.5	42	12.0
Stutsman	347	14.7	397	16.8
Towner	70	15.1	57	12.7
Traill	125	13.1	145	14.8
Walsh	240	14.8	264	15.7
Ward	1,419	24.2	1,372	22.4
Wells	124	15.8	106	14.5
Williams	337	17.5	336	17.3

SOURCE: North Dakota State Department of Health, Forty-Second Biennial Report and 1977 "Provisional Reports."

TABLE 1.14--*Continued*

City	Population	City	Population	City	Population
Souris	205	Turtle Lake	724	White Earth	94
South Heart	152	Tuttle	180	Wildrose	221
Springbrook	16	Underwood	1,092	Williston	11,692
Stanley	1,822	Upham	254	Willow City	386
Stanton	575	Valley City	6,996	Wilton	881
Starkweather	188	Velva	1,246	Wimbeldon	324
Steele	695	Venturia	58	Wing	223
Strasburg	577	Verona	190	Wishek	1,072
Streeter	271	Voltaire	67	Wolford	62
Surrey	935	Wahpeton	8,394	Woodworth	133
Sykeston	198	Walcott	193	Wyndmere	582
Tappen	300	Wales	112	York	113
Taylor	158	Walhalla	1,407	Zap	260
Thompson	564	Warwick	166	Zeeland	262
Tioga	1,362	Washburn	1,323		
Tolley	143	Watford City	1,800		
Tolna	232	West Fargo	8,030		
Tower City	293	Westhope	707		
Towner	989	Wheelock	32		

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports, January 1979.

TABLE 2.05

NUMBER OF LIVE BIRTHS IN NORTH DAKOTA BY AGE OF MOTHER, 1970-1977

Age of Mother	1970	1971	1972	1973	1974	1975	1976	1977
Under 15 Years	4	7	6	8	9	7	14	12
15-19 Years	1,431	1,455	1,605	1,515	1,512	1,535	1,475	1,455
20-24 Years	4,363	4,180	3,947	3,756	3,901	4,173	4,123	4,392
25-29 Years	2,928	2,739	2,737	2,767	2,921	3,239	3,469	3,787
30-34 Years	1,378	1,205	1,139	1,129	1,118	1,177	1,170	1,333
35-39 Years	665	572	528	435	227	385	375	375
40-44 Years	220	185	143	123	105	103	92	93
45 Years and Over	15	18	10	5	11	5	6	3
Total	11,004	10,361	10,115	9,738	9,804	10,624	10,724	11,450

SOURCE: North Dakota State Department of Health, Biennial Reports Forty-Two through Forty-Five and 1977 "Provisional Reports."

TABLE 2.06

RESIDENT DEATHS AND CRUDE DEATH RATES BY NORTH DAKOTA COUNTY, 1970 AND 1977

County	1970		1977	
	Deaths	Crude Death Rate	Deaths	Crude Death Rate
NORTH DAKOTA	5,606	9.1	5,198	8.0
Adams	40	10.4	46	12.1
Barnes	169	11.5	137	9.9
Benson	90	10.9	77	9.2
Billings	7	5.8	9	8.2
Bottineau	94	9.9	103	10.4
Bowman	48	12.3	35	8.1
Burke	52	11.0	39	9.1
Burleigh	252	6.2	294	5.8
Cass	536	7.3	535	6.4
Cavalier	113	13.8	66	7.0
Dickey	92	13.2	89	11.9
Divide	68	14.9	36	8.6
Dunn	40	8.2	38	7.8
Eddy	55	13.4	57	15.0
Emmons	57	7.9	50	7.6
Foster	41	8.5	49	10.0
Golden Valley	24	9.2	23	8.8
Grand Forks	417	6.8	377	5.7
Grant	49	9.8	38	7.6
Griggs	62	14.8	40	9.5
Hettinger	48	9.5	47	10.0
Kidder	42	9.6	36	8.2
La Moure	77	10.8	79	11.3
Logan	40	9.4	29	7.3
McHenry	108	12.0	79	9.2
McIntosh	55	9.9	55	10.8
McKenzie	60	9.8	58	9.4
McLean	134	11.9	118	9.6
Mercer	51	8.3	70	10.0
Morton	179	8.8	159	6.7
Mountrail	91	10.8	80	9.5
Nelson	88	15.2	66	10.8
Oliver	21	9.0	14	5.6
Pembina	140	13.0	119	10.7
Pierce	55	8.7	51	7.7

TABLE 2.06--*Continued*

County	1970		1977	
	Deaths	Crude Death Rate	Deaths	Crude Death Rate
Ramsey	118	9.1	115	8.5
Ransom	97	13.7	73	10.0
Renville	37	9.7	40	10.8
Richland	201	11.1	184	9.6
Rolette	110	9.5	98	7.5
Sargent	63	10.6	69	11.3
Sheridan	34	10.5	36	10.9
Sioux	35	9.6	46	11.8
Slope	11	7.4	6	4.6
Stark	147	7.5	158	8.1
Steele	45	12.0	29	8.3
Stutsman	228	9.7	225	9.5
Towner	48	10.3	37	8.2
Traill	123	12.9	109	11.1
Walsh	169	10.4	172	10.2
Ward	375	6.4	348	5.7
Wells	91	11.6	90	12.3
William	179	9.3	165	8.5

SOURCE: North Dakota State Department of Health, Forty-Second Biennial Report and 1977 "Provisional Reports."

TABLE 2.07

RESIDENT DEATHS FROM SELECTED CAUSES, RANK, AND SPECIFIC-CAUSE-OF-DEATH RATES IN NORTH DAKOTA, 1970 AND 1977

Cause of Death	1970 Deaths	1970 Specific-cause-of-death-rate	1970 Rank	1977 Deaths	1977 Specific-cause-of-death-rate	1977 Rank
Tuberculosis	6	1.0	17	3	0.4	17
Malignant Neoplasms	930	150.5	2	987	151.1	2
Diabetes	99	16.0	8	98	15.0	7
Diseases of Heart	2,168	350.9	1	1,963	300.6	1
Cerebrovascular Disease	633	102.4	3	495	75.8	3
Arteriosclerosis	130	21.0	6	117	17.9	6
Other Diseases of Arteries	99	16.0	8	73	11.2	9
Influenza	23	3.7	14	5	0.8	15
Pneumonia	231	37.4	5	154	23.6	5
Bronchitis, Emphysema, Asthma	74	12.0	11	64	9.8	11
Cirrhosis of Liver	65	10.5	12	64	9.8	11
Nephritis, Nephrosis	17	2.8	15	20	3.1	14
Accidents	394	63.8	4	381	58.3	4
Suicide	75	12.1	10	71	10.9	10
Homicide	9	1.5	16	5	0.8	15
Congenital Anomalies	50	8.1	13	39	6.0	13
Diseases of Early Infancy	100	16.2	7	90	13.8	8
Residual (All Other Causes)	503	-----	--	569	-----	--

SOURCE: Compiled from North Dakota State Department of Health, Forty-Second Biennial Report and 1977 "Provisional Reports."

TABLE 2.08

RESIDENT DEATHS FROM SELECTED CAUSES BY COUNTY OF RESIDENCE, 1970 AND 1977

County	Tuberculosis		Malignant Neoplasms		Diabetes		Diseases of Heart	
	1970	1977	1970	1977	1970	1977	1970	1977
NORTH DAKOTA	6	3	930	987	99	98	2,168	1,963
Adams	-	-	9	8	--	--	9	20
Barnes	-	-	20	25	3	--	79	60
Benson	-	-	12	12	2	--	35	25
Billings	-	-	1	2	--	--	3	4
Bottineau	-	-	21	25	2	2	38	45
Bowman	-	-	6	3	1	2	12	11
Burke	-	-	13	9	4	1	17	10
Burleigh	-	-	46	64	3	8	91	95
Cass	2	-	87	115	7	3	210	200
Cavalier	-	-	19	13	2	1	45	24
Dickey	-	-	17	18	2	1	44	43
Divide	-	-	10	7	1	--	31	12
Dunn	-	-	7	6	--	--	20	14
Eddy	-	-	10	10	3	1	16	19
Emmons	-	-	11	12	1	3	22	22
Foster	-	-	10	10	--	--	12	17
Golden Valley	-	-	3	3	--	1	13	11
Grand Forks	2	1	65	72	7	11	152	138
Grant	-	-	13	4	2	--	19	20
Griggs	-	-	9	10	1	--	33	19
Hettinger	-	-	6	10	1	--	21	15
Kidder	-	-	8	5	1	1	19	16
La Moure	-	1	11	11	1	--	39	38
Logan	-	-	10	6	1	--	15	17
McHenry	-	-	14	26	1	1	45	32
McIntosh	-	-	10	8	2	--	20	29
McKenzie	-	-	10	13	3	--	19	19
McLean	-	-	21	17	2	2	58	52
Mercer	-	-	5	17	--	--	19	25
Morton	-	-	30	32	3	3	65	52
Mountrail	-	1	18	13	6	4	28	21
Nelson	-	-	13	16	1	1	41	29
Oliver	-	-	5	2	1	--	6	6
Pembina	-	-	21	13	3	2	38	47
Pierce	-	-	10	15	1	1	21	18
Ramsey	-	-	27	29	--	--	41	42
Ransom	-	-	19	16	1	2	44	31
Renville	-	-	10	9	1	--	13	15
Richland	-	-	26	29	5	5	88	68
Rolette	1	-	19	14	1	5	38	37
Sargent	-	-	10	13	--	1	25	30
Sheridan	-	-	2	6	--	--	18	12
Sioux	-	-	2	5	--	6	10	5
Slope	-	-	1	2	--	--	4	3
Stark	-	-	30	30	2	3	55	60
Steele	-	-	7	6	--	--	27	10
Stutsman	-	-	39	42	3	8	88	75
Towner	-	-	7	7	1	1	27	15
Traill	-	-	19	12	3	3	46	53
Walsh	-	-	32	24	3	4	55	69
Ward	-	-	58	64	6	7	129	111
Wells	-	-	17	19	2	1	35	35
Williams	1	-	24	28	3	3	70	67

TABLE 2.08--*Continued*

County	Cerebro-vascular Diseases		Arterio-sclerosis		Other Diseases of Arteries		Influenza	
	1970	1977	1970	1977	1970	1977	1970	1977
NORTH DAKOTA	633	495	130	117	99	73	23	5
Adams	8	3	---	---	1	--	--	-
Barnes	15	14	11	4	5	4	1	-
Benson	8	3	4	1	--	--	--	-
Billings	1	---	---	---	--	--	--	-
Bottineau	7	11	1	---	2	1	1	-
Bowman	13	2	2	2	2	--	--	-
Burke	4	3	2	---	--	--	--	-
Burleigh	31	25	4	9	5	7	1	-
Cass	57	64	14	10	9	7	2	-
Cavalier	10	10	5	4	3	1	--	-
Dickey	7	10	1	4	1	--	--	-
Divide	5	3	1	1	1	2	--	-
Dunn	3	1	---	1	1	--	--	-
Eddy	7	3	---	1	1	1	--	1
Emmons	5	3	---	---	--	--	--	-
Foster	5	10	---	---	1	1	--	-
Golden Valley	1	---	1	1	--	1	--	-
Grand Forks	40	26	9	4	8	9	2	-
Grant	5	6	---	---	--	--	--	-
Griggs	1	2	2	---	--	--	--	-
Hettinger	5	3	3	---	--	--	--	-
Kidder	5	2	1	---	--	--	--	-
La Moure	9	12	---	1	2	--	1	-
Logan	4	2	---	1	2	--	--	-
McHenry	10	4	2	2	4	1	--	-
McIntosh	4	5	1	---	--	1	--	-
McKenzie	6	6	2	---	1	--	3	-
McLean	26	18	2	---	--	2	--	-
Mercer	7	4	---	---	--	--	--	-
Morton	25	14	2	2	6	1	2	-
Mountrail	6	9	4	1	--	1	--	-
Nelson	11	8	1	2	--	--	1	-
Oliver	1	2	---	---	--	--	--	-
Pembina	22	17	8	7	1	--	--	1
Pierce	5	2	1	---	--	1	--	-
Ramsey	15	12	3	3	4	2	--	-
Ransom	7	8	4	3	--	--	1	-
Renville	5	4	1	1	--	--	--	-
Richland	35	17	1	12	5	6	--	1
Rolette	7	5	---	1	3	1	--	-
Sargent	9	4	---	3	3	1	1	-
Sheridan	2	5	1	2	--	1	--	1
Sioux	6	1		---	--	1	--	-
Slope	---	---	---	---	--	--	--	-
Stark	12	17	5	3	3	2	--	-
Steele	4	4	1	---	1	1	1	-
Stutsman	28	23	6	8	5	4	--	1
Towner	4	1	1	3	--	1	--	-
Traill	16	13	2	2	3	3	3	-
Walsh	23	24	5	5	1	2	2	-
Ward	48	26	6	10	6	5	--	-
Wells	10	12	1	1	2	1	1	-
Williams	23	12	9	2	7	1	--	-

TABLE 2.08--*Continued*

County	Pneumonia		Bronchitis, Emphysema, Asthma		Cirrhosis of Liver		Nephritis, Nephresis	
	1970	1977	1970	1977	1970	1977	1970	1977
NORTH DAKOTA	231	154	74	64	65	64	17	20
Adams	---	5	1	1	1	1	--	--
Barnes	5	7	2	--	1	2	--	--
Benson	6	3	1	--	4	2	--	2
Billings	---	---	--	--	--	--	--	--
Bottineau	3	3	--	2	--	--	1	--
Bowman	3	1	--	1	--	--	--	--
Burke	---	3	1	2	1	--	--	--
Burleigh	8	8	1	2	4	4	1	--
Cass	22	7	4	5	8	4	--	4
Cavalier	2	---	3	--	1	--	1	1
Dickey	1	1	--	--	2	1	--	--
Divide	2	1	1	1	1	1	--	1
Dunn	2	---	1	1	--	--	--	--
Eddy	6	1	1	1	1	1	--	--
Emmons	2	---	1	--	1	1	--	--
Foster	1	4	1	1	--	--	--	--
Golden Valley	---	---	1	1	--	--	--	--
Grand Forks	23	14	9	7	4	5	3	1
Grant	1	1	--	--	--	--	--	--
Griggs	5	2	1	1	1	--	--	--
Hettinger	2	5	2	1	2	2	--	--
Kidder	1	2	1	2	--	1	--	--
La Moure	3	3	3	1	--	--	--	--
Logan	1	---	--	--	1	--	--	--
McHenry	4	---	1	2	2	--	--	--
McIntosh	2	1	--	--	--	1	--	2
McKenzie	1	3	1	2	--	--	--	--
McLean	2	5	1	3	--	2	--	--
Mercer	---	---	--	--	1	2	--	--
Morton	10	4	2	2	3	3	2	1
Mountrail	2	5	--	4	1	1	1	1
Nelson	6	2	1	--	--	1	--	--
Oliver	1	1	--	--	--	--	--	--
Pembina	10	1	2	--	1	2	3	1
Pierce	3	2	--	--	1	1	--	--
Ramsey	5	2	1	1	2	3	--	--
Ransom	4	---	2	1	1	--	1	--
Renville	2	1	1	--	1	--	--	1
Richland	7	7	3	1	--	2	3	2
Rolette	4	1	3	1	--	1	--	--
Sargent	3	---	1	3	1	1	--	--
Sheridan	3	1	--	1	--	--	--	--
Sioux	1	1	1	--	2	1	--	--
Slope	---	---	1	--	--	--	--	--
Stark	4	1	2	3	3	3	--	--
Steele	---	2	--	--	--	--	--	--
Stutsman	14	8	--	--	2	--	--	2
Towner	---	3	--	--	--	1	--	--
Traill	7	5	1	2	2	--	--	--
Walsh	9	6	1	2	2	1	--	--
Ward	21	11	12	5	5	9	1	1
Wells	3	2	1	--	--	1	--	--
Williams	4	8	1	1	2	3	--	--

TABLE 2.08--*Continued*

County	Accidents		Suicide		Homicide		Congenital Anomalies	
	1970	1977	1970	1977	1970	1977	1970	1977
NORTH DAKOTA	394	381	75	71	9	5	50	39
Adams	4	3	1	--	-	-	1	--
Barnes	9	5	4	--	-	-	1	2
Benson	10	12	--	5	-	-	--	1
Billings	1	3	--	--	-	-	--	--
Bottineau	9	6	--	--	-	-	--	--
Bowman	5	8	--	--	-	-	--	--
Burke	2	5	--	--	-	-	--	--
Burleigh	15	24	5	5	-	1	2	1
Cass	35	36	7	11	1	2	7	5
Cavalier	7	4	3	1	1	-	--	--
Dickey	8	3	--	1	-	-	--	--
Divide	8	4	2	--	-	-	--	--
Dunn	1	6	1	2	-	-	1	1
Eddy	3	6	2	--	-	-	1	--
Emmons	7	2	--	1	-	-	--	1
Foster	3	2	--	1	-	-	--	--
Golden Valley	3	3	1	1	1	-	--	--
Grand Forks	26	29	4	9	1	-	3	5
Grant	2	3	1	1	-	-	--	--
Griggs	4	2	--	--	-	-	--	--
Hettinger	5	1	--	--	-	-	--	--
Kidder	---	2	2	--	-	1	1	--
La Moure	4	3	2	--	-	-	1	--
Logan	1	---	--	--	-	-	--	--
McHenry	11	3	1	--	-	-	1	--
McIntosh	3	2	1	--	-	-	--	--
McKenzie	7	5	--	1	-	-	--	--
McLean	9	6	--	2	1	-	--	--
Mercer	3	6	--	--	-	-	1	1
Morton	13	10	1	6	-	-	4	1
Mountrail	7	9	--	1	-	-	1	1
Nelson	1	---	2	--	-	-	--	--
Oliver	3	---	--	--	-	-	--	1
Pembina	9	12	4	1	-	-	--	2
Pierce	5	4	1	--	-	-	2	--
Ramsey	9	8	2	--	-	-	--	--
Ransom	7	5	3	--	-	-	--	1
Renville	1	4	--	1	-	-	--	--
Richland	7	15	3	1	-	-	1	2
Rolette	13	9	1	2	-	-	1	2
Sargent	4	4	1	--	-	-	1	--
Sheridan	3	3	1	--	-	-	--	1
Sioux	6	8	--	--	1	-	--	2
Slope	3	---	1	--	-	-	--	--
Stark	9	15	2	1	1	-	1	--
Steele	---	1	--	1	-	-	--	--
Stutsman	14	18	4	3	1	1	5	--
Towner	3	1	--	--	-	-	2	--
Traill	9	4	--	3	-	-	1	--
Walsh	17	11	1	4	-	-	--	1
Ward	26	22	9	4	2	-	7	6
Wells	6	10	1	--	-	-	1	--
Williams	14	14	1	2	-	-	3	2

TABLE 2.08--*Continued*

County	Diseases of Early Infancy		Other Causes	
	1970	1977	1970	1977
NORTH DAKOTA	100	90	503	569
Adams	---	1	5	4
Barnes	3	1	10	13
Benson	1	1	7	12
Billings	---	--	1	---
Bottineau	3	1	6	5
Bowman	---	--	4	5
Burke	---	--	8	6
Burleigh	8	9	27	32
Cass	11	6	53	56
Cavalier	1	--	10	7
Dickey	---	--	9	7
Divide	1	--	4	3
Dunn	1	1	2	5
Eddy	---	1	4	11
Emmons	2	1	5	4
Foster	2	--	6	3
Golden Valley	---	--	---	1
Grand Forks	12	13	47	33
Grant	---	--	6	3
Griggs	---	--	5	4
Hettinger	---	2	1	8
Kidder	---	--	3	4
La Moure	---	1	1	8
Logan	---	1	5	2
McHenry	1	--	11	8
McIntosh	2	1	10	5
McKenzie	---	--	7	9
McLean	2	2	10	7
Mercer	3	1	12	14
Morton	3	7	8	21
Mountrail	1	--	16	8
Nelson	---	2	10	5
Oliver	1	--	3	2
Pembina	4	1	14	12
Pierce	---	2	5	5
Ramsey	1	4	8	9
Ransom	1	--	2	6
Renville	---	--	2	4
Richland	4	--	13	16
Rolette	5	8	14	11
Sargent	1	--	3	9
Sheridan	---	1	4	2
Sioux	---	2	6	14
Slope	1	--	---	1
Stark	6	1	12	19
Steele	1	--	3	4
Stutsman	3	1	16	31
Towner	---	--	3	4
Traill	1	2	10	[illegible]
Walsh	3	5	15	14
Ward	5	5	34	62
Wells	1	3	10	5
Williams	5	3	13	19

SOURCE: Data for 1970 from North Dakota State Department of Health, Forty-Second Biennial Report. Data for 1977 from "Provisional Reports" (Provided by the Department of Health).

TABLE 2.09

RESIDENT INFANT DEATHS BY NORTH DAKOTA COUNTY, 1970 AND 1977

County	Infant Deaths	
	1970	1977
NORTH DAKOTA	157	159
Adams	---	1
Barnes	6	2
Benson	2	3
Billings	---	---
Bottineau	4	1
Bowman	---	---
Burke	---	1
Burleigh	11	10
Cass	15	16
Cavalier	1	2
Dickey	---	1
Divide	1	---
Dunn	4	2
Eddy	1	1
Emmons	2	2
Foster	2	---
Golden Valley	---	---
Grand Forks	15	20
Grant	---	---
Griggs	---	---
Hettinger	---	2
Kidder	1	---
La Moure	2	1
Logan	1	1
McHenry	1	---
McIntosh	4	2
McKenzie	---	---
McLean	2	2
Mercer	5	2
Morton	8	9
Mountrail	2	---
Nelson	---	2
Oliver	1	1
Pembina	4	4
Pierce	---	2
Ramsey	1	4
Ransom	1	---
Renville	---	---
Richland	7	2
Rolette	6	15
Sargent	1	---
Sheridan	---	2
Sioux	1	4
Slope	1	---
Stark	6	2
Steele	2	---
Stutsman	5	4
Towner	1	1
Traill	1	2
Walsh	4	7
Ward	15	16
Wells	2	3
Williams	8	7

SOURCE: Data for 1970 from North Dakota State Department of Health, Forty-Second Biennial Report. Data for 1977 from "Provisional Reports" (Provided by the Department of Health).

TABLE 2.10

ACCIDENTAL DEATHS OCCURING IN NORTH DAKOTA BY TYPE OF ACCIDENT, 1970 AND 1977

Type of Accident	1970	1977
Work Total	39	25
Agriculture	20	9
Mining, Quarrying, Oil and Gas Wells	2	4
Construction	7	3
Manufacturing	1	2
Transportation & Public Utilities	---	3
Trade	2	---
Service	5	1
Government	1	1
Other and Unspecified Industry	1	2
Home Total	81	83
Poisonings (gas excepted)	2	5
Poisonings by Gas and Vapors	6	4
Falls	33	33
Fires	15	9
Drowning	---	4
Suffocation, Ingested Food or Object	4	8
Suffocation, Mechanical	3	6
Firearms	4	4
Other and Unspecified Home Accidents	14	10
Motor Vehicle Total	201	205
Injury to Pedestrian	23	17
Injury to Pedal Cyclist	2	1
Injury to Rider of Animal or Occupant of Animal-Drawn Vehicle	1	---
Collision With Railroad Train	6	12
Collision with Other Motor Vehicle	89	83
Collision with Fixed Object	21	26
Noncollision	57	61
Other and Unspecified Accidents	2	5
Public Non-Motor Vehicle Total	85	69
Railroad--Not with Motor Vehicle	7	1
Other Vehicle--Not with Motor Vechile	2	---
Water Transport	4	4
Air Transport	3	1
Falls	29	19
Fires	1	7
Drowning	15	10
Firearms	6	5
Other and Unspecified Public Accidents	18	22
Accident Type Unknown and Late Effects	5	5
TOTAL	411	387

SOURCE: North Dakota State Department of Health, Forty-Second Biennial Report and 1977 "Provisional Reports."

TABLE 2.11

COMMUNICABLE DISEASES REPORTED IN NORTH DAKOTA, 1970-1978

Disease	1970	1971	1972	1973	1974	1975	1976	1977	1978
Anthrax	---	---	---	---	---	---	---	---	1
Ascariasis	---	---	---	---	---	---	---	1	1
Brucellosis	1	---	---	---	---	---	1	---	1
Chickenpox	616	917	849	1,010	597	304	677	791	417
Conjunctivitis	1,016	939	1,150	1,002	418	662	751	1,052	519
Diptheria	---	---	---	---	---	6	---	---	---
Encephalitis	5	2	1	7	1	54	4	3	---
Erysipelas	16	11	19	11	5	2	NR	NR	NR
Fifth Disease	---	---	17	21	1	---	---	---	---
Gonorrhea	533	769	866	905	1,006	1,015	1,013	1,097	977
Histoplasmosis	---	---	---	---	---	1	---	---	---
Impetigo	437	359	326	458	378	416	356	332	211
Infectuious Hepatitis	79	145	70	28	86	155	161	69	100
Serum Hepatitis	---	---	1	6	7	6	5	10	10
Infectious Mono.	---	---	150	215	187	161	NR	NR	NR
Influenza & Inf.-Like	4,142	2,854	6,371	8,819	3,986	6,326	8,499	3,009	5,192
Legionnaires' Disease	---	---	---	---	---	---	---	1	8
Malaria	5	5	1	1	---	1	1	---	---
Measles	307	247	62	73	35	1,060	2	29	211
Meningitis	6	8	---	3	1	---	3	1	3
Aseptic Meningitis	3	2	4	---	3	4	4	5	6
Mumps	314	406	417	78	118	528	126	22	15
Pneumonia	4,018	3,255	3,804	3,290	2,928	3,090	NR	NR	NR
Rabies in Animals	57	193	147	158	114	99	135	119	100
Rheumatic Fever	40	94	94	45	74	44	27	28	21
Ringworm	36	40	29	55	29	20	NR	NR	NR
Rocky Mt. Spotted Fever	---	---	---	---	---	---	---	---	1
Rubella	138	102	59	223	19	64	3	25	83
Salmonellosis	25	54	47	44	50	48	33	62	48
Scabies	13	12	13	10	20	25	NR	NR	NR
Shigellosis	25	10	32	40	41	14	7	31	76
Streptococcal Inf.	4,668	5,763	3,989	4,738	5,516	3,782	4,673	6,127	4,792
Syphillis	34	23	22	14	28	35	36	15	26
Tetanus	---	---	---	1	2	---	1	---	---
Tuberculosis	35	51	31	44	35	26	40	32	33
Tularemia	1	---	---	---	---	---	---	---	---
Typhoid Fever	2	---	---	---	---	---	---	---	---
Whooping Cough	6	7	24	11	1	1	---	8	3

SOURCE: North Dakota State Department of Health, Division of Disease Control.

NR None Reported. Removed from list of Communicable Diseases.

TABLE 2.12

IMMUNIZATION STATUS OF SCHOOL CHILDREN IN NORTH DAKOTA, 1972-1978

Vaccine	Percent Protected						
	1972	1973	1974	1975	1976	1977	1978
DPT	48%	53%	56%	83%	89%	90%	94%
Polio	31	41	46	72	81	86	91
Measles	72	75	81	93	94	95	96
Rubella	62	70	78	86	93	94	95
Mumps	NA	NA	NA	75	88	91	97

SOURCE: North Dakota State Department of Health, Division of Disease Control.

TABLE 2.13

IMMUNIZATION STATUS OF PRESCHOOL CHILDREN IN NORTH DAKOTA, 1972-1978

Vaccine	Percent Protected						
	1972	1973	1974	1975	1976	1977	1978
DPT	63%	88%	NA%	92%	92%	95%	96%
Polio	48	75	NA	88	92	96	95
Measles	49	81	NA	88	91	94	94
Rubella	48	78	NA	84	91	94	94
Mumps	NA	NA	NA	75	89	92	92

SOURCE: North Dakota State Department of Health, Division of Disease Control.

TABLE 2.14

GENERAL HOSPITALS,* NURSING HOMES, AND INTERMEDIATE CARE FACILITIES BY NORTH DAKOTA COUNTY, JANUARY 1979

County	General Hospitals		Nursing Homes		Intermediate Care Facilities	
	Number	Total Beds	Number	Total Beds	Number	Total Beds
Adams	1	46	1	88	-	---
Barnes	1	75	1	78	1	80
Benson	-	---	-	---	-	---
Billings	-	---	-	---	-	---
Bottineau	1	41	2	85	1	71
Bowman	1	40	1	42	-	---
Burke	-	---	-	---	-	---
Burleigh	2	453	3	281	-	---
Cass	3	769	5	507	1	96
Cavalier	1	38	1	63	1	41
Dickey	2	60	1	85	1	142
Divide	1	28	-	---	1	81
Dunn	-	---	-	---	-	---
Eddy	1	26	1	61	-	---
Emmons	1	27	1	80	-	---
Foster	1	29	2	98	-	---
Golden Valley	1	27	-	---	-	---
Grand Forks	2	332	3	236	1	68
Grant	1	25	1	25	-	---
Griggs	1	24	1	50	-	---
Hettinger	-	---	-	---	1	60
Kidder	-	---	-	---	1	42
La Moure	-	---	-	---	1	60
Logan	-	---	-	---	1	44
McHenry	-	---	-	---	-	---
McIntosh	2	57	1	91	-	---
McKenzie	1	26	1	47	-	---
McLean	2	74	2	135	1	24
Mercer	1	39	1	42	-	---
Morton	1	63	2	142	2	98
Mountrail	1	28	2	111	2	76
Nelson	1	19	1	53	2	109
Oliver	-	---	-	---	-	---
Pembina	1	53	1	60	-	---
Pierce	1	66	1	98	1	78

TABLE 2.14--*Continued*

County	General Hospitals		Nursing Homes		Intermediate Care Facilities	
	Number	Total Beds	Number	Total Beds	Number	Total Beds
Ramsey	1	110	1	104	1	46
Ransom	1	25	1	45	2	102
Renville	1	30	-	---	1	59
Richland	1	31	2	133	1	59
Rolette	2	110	2	66	1	22
Sargent	-	---	-	---	1	62
Sheridan	-	---	-	---	-	---
Sioux	-	---	-	---	-	---
Slope	-	---	-	---	-	---
Stark	2	150	2	193	1	75
Steele	-	---	-	---	-	---
Stutsman	1	127	2	204	-	---
Towner	1	36	1	74	-	---
Traill	2	73	3	179	1	30
Walsh	2	81	2	135	1	79
Ward	3	497	2	246	1	129
Wells	1	51	1	56	-	---
Williams	2	139	2	148	1	55
NORTH DAKOTA	52	3,925	57	4,140	31	1,888

SOURCE: Compiled from data supplied by North Dakota State Department of Health, Division of Health Facilities.

* Excludes State Hospitals (located in Walsh, Grand Forks, Stutsman, and Rolette Counties) and Federal Hospitals (located in Rolette, Cass, Sioux, Grand Forks, and Ward Counties).

TABLE 2.15

SELECTED LICENSED MEDICAL PROFESSIONALS BY NORTH DAKOTA COUNTY[1]

County	Medical Profession:						
	Physician	Dentist	Optometrist	Pharmacist	Chiropractor	Registered Nurse[2]	Licensed Practical Nurse[2]
Adams	8	1	1	5	--	41	13
Barnes	10	9	3	9	3	83	42
Benson	2	2	--	3	--	15	14
Billings	---	--	--	--	--	2	1
Bottineau	4	2	1	6	1	65	16
Bowman	2	3	1	3	1	36	9
Burke	1	--	--	1	--	15	5
Burleigh	120	30	10	35	12	650	243
Cass	220	56	7	70	9	1,197	645
Cavalier	4	3	1	4	1	49	16
Dickey	6	3	1	6	1	39	21
Divide	4	1	--	2	1	28	8
Dunn	---	1	--	1	--	9	6
Eddy	2	1	--	2	--	21	8
Emmons	2	2	1	2	1	22	11
Foster	2	2	1	3	1	27	11
Golden Valley	1	1	--	1	--	19	5
Grand Forks	113	28	7	32	6	528	263
Grant	1	1	--	5	--	25	14
Griggs	2	1	1	2	--	19	6
Hettinger	2	1	1	3	--	6	14
Kidder	---	--	--	1	--	12	3
La Moure	---	1	--	2	1	19	11
Logan	1	1	--	2	--	6	3
McHenry	3	1	--	3	--	17	8
McIntosh	3	2	1	5	1	32	15
McKenzie	2	1	--	4	--	23	10
McLean	7	2	--	8	1	72	26
Mercer	3	1	2	4	1	26	19
Morton	7	9	3	10	3	99	34
Mountrail	4	2	--	7	--	51	19
Nelson	2	3	1	2	--	27	16
Oliver	---	1	--	--	--	3	5
Pembina	6	3	1	5	--	52	38
Pierce	8	3	1	5	1	52	41

TABLE 2.15--*Continued*

County	Medical Profession:						
	Physician	Dentist	Optometrist	Pharmacist	Chiropractor	Registered Nurse[2]	Licensed Practical Nurse[2]
Ramsey	14	6	4	11	3	101	99
Ransom	4	3	1	5	2	32	24
Renville	1	2	--	4	--	17	5
Richland	13	11	2	10	7	61	68
Rolette	7	2	1	7	--	63	62
Sargent	---	--	--	1	--	6	13
Sheridan	---	1	--	3	--	9	3
Sioux	1	--	--	--	--	6	4
Slope	---	--	--	--	--	---	1
Stark	21	10	3	13	3	137	85
Steele	1	1	1	--	--	6	3
Stutsman	24	13	4	15	3	195	94
Towner	3	2	--	3	--	21	12
Traill	7	3	1	8	1	73	57
Walsh	7	5	3	10	2	83	55
Ward	74	30	6	33	5	479	153
Wells	6	5	1	5	2	41	20
Williams	22	9	4	15	3	130	112
NORTH DAKOTA	777	280	76	396	76	5,150	2,612

SOURCE: North Dakota Board of Medical Examiners; North Dakota State Department of Health, Division of Dental Health; North Dakota State Board of Optometry; North Dakota State Board of Pharmacy; North Dakota Chiropractic Association; and University of North Dakota Division of Continuing Education.

[1] As of February 1979 except nurses which are as of June 30, 1978.

[2] Out-of-state nurses (303 RN's, 153 LPN's) included in State totals.

TABLE 2.16

STATISTICS OF THE NORTH DAKOTA STATE HOSPITAL, SELECTED BIENNIA, 1885-1977

Biennium	Census	Employees	Admissions Per Biennium	Discharges Per Biennium	Per Diem[1]
6 30 1885	58	---	---	---	$---
6 30 1886	106	---	118	46	.54
6 30 1890	221	54	186	121	.80
6 30 1900	383	55	279	226	.42
6 30 1910	653	90	458	354	.50
6 30 1920	1,288	197	516	419	.72
6 30 1930	1,507	195	587	378	.94
6 30 1940	1,928	279	947	838	.74
6 30 1950	2,118	299	994	890	1.36
6 30 1952	2,096	324	1,043	1,065	1.57
6 30 1954	2,068	461	1,139	1,167	2.34
6 30 1956	1,993	518	1,681	1,756	2.91
6 30 1958	1,814	529	2,212	2,312	3.49
6 30 1960	1,695	530	2,734	2,853	5.36
6 30 1962	1,738	578	3,002	2,959	5.87
6 30 1964	1,520	627	2,794	3,012	6.87
6 30 1966	1,424	658	2,785	2,881	7.53
6 30 1968	1,208	643	2,829	3,045	12.09
6 30 1970	906	720	3,400	3,702	15.55
6 30 1972	674	766	3,768	4,000	23.23
6 30 1973[2]	595	714	1,975	2,054	26.72
6 30 1975	571	751	4,636	4,672	34.35
6 30 1977	597	779	4,723	4,697	40.68

SOURCE: North Dakota State Department of Health, Forty-Fifth Biennial Report.

[1] Depreciation not included prior to 1960.

[2] For one year only.

TABLE 2.18

MARRIAGES AND DIVORCES IN NORTH DAKOTA: NUMBER AND RATE PER 1,000 POPULATION, SELECTED YEARS, 1955-1977

Year	Number of Marriages	Marriages Per 1,000 Population	Number of Divorces	Divorces Per 1,000 Population
1955	4,241	6.90	543	0.88
1960	4,041	6.39	596	0.94
1965	4,939	7.59	720	1.11
1970	5,340	8.64	971	1.57
1971	5,648	8.99	1,172	1.87
1972	5,866	9.25	1,289	2.03
1973	5,874	9.25	1,409	2.22
1974	5,905	9.27	1,578	2.48
1975	5,993	9.41	1,706	2.68
1976	5,649	8.76	1,852	2.87
1977	5,668	8.68	1,944	2.98

SOURCE: North Dakota State Department of Health, Biennial Reports and 1977 "Provisional Reports" and U.S. Dept. of Commerce, Current Population Reports.

TABLE 2.19

NORTH DAKOTA MARRIAGES BY AGE OF BRIDE AND AGE OF GROOM, 1975-1977

Age of Bride	Age of Groom							
	Under 20	20-24	25-29	30-39	40-49	50-59	60-69	70 & Over
					1975			
Under 20	572	1,276	166	20	2	--	--	--
20-24	117	1,755	729	116	8	--	--	--
25-29	2	105	251	195	33	5	2	--
30-39	2	8	57	164	68	13	--	--
40-49	---	2	2	23	57	57	7	1
50-59	---	---	---	1	17	50	37	2
60-69	---	---	---	---	3	7	27	17
70 and over	---	---	---	---	--	--	1	16
					1976			
Under 20	508	1,097	152	29	4	1	--	--
20-24	88	1,612	664	176	13	1	--	--
25-29	6	138	304	166	19	3	1	--
30-39	---	22	54	148	87	12	1	1
40-49	---	1	4	21	83	46	10	3
50-59	---	---	---	4	12	45	24	4
60-69	---	---	---	---	1	7	36	19
70 and over	---	---	---	---	--	2	1	19
					1977			
Under 20	445	1,077	159	19	3	--	--	--
20-24	112	1,671	671	138	13	--	--	--
25-29	2	122	312	231	29	6	--	--
30-39	---	11	64	174	82	12	1	--
40-49	---	---	5	18	71	51	7	1
50-59	---	---	---	2	9	42	24	--
60-69	---	---	---	---	2	9	30	13
70 and over	---	---	---	---	--	--	6	24

SOURCE: Year 1977 from North Dakota State Department of Health, "Provisional Reports", 1975-1976, State Department of Health, Forty-Fifth Biennial Report, Forty-Fourth Report, and Forty-Third Report, respectively.

TABLE 2.20

MARRIAGES AND DIVORCES BY NORTH DAKOTA COUNTY WHERE LICENSE GRANTED AND DECREE FILED, 1970-1977

County	Marriages							
	1970	1971	1972	1973	1974	1975	1976	1977
NORTH DAKOTA	5,340	5,648	5,866	5,874	5,905	5,993	5,649	5,668
Adams	43	42	39	27	31	36	23	30
Barnes	137	152	131	168	140	140	153	130
Benson	62	65	54	71	60	60	50	61
Billings	8	11	7	12	10	8	3	7
Bottineau	78	79	96	103	75	71	86	66
Bowman	39	38	37	42	38	39	38	39
Burke	23	25	38	40	41	39	28	23
Burleigh	408	450	467	463	491	558	548	560
Cass	681	713	757	781	741	755	753	754
Cavalier	64	100	80	80	84	99	84	58
Dickey	59	55	48	58	65	45	55	63
Divide	38	41	36	42	37	40	37	34
Dunn	40	45	41	38	30	34	30	22
Eddy	29	35	34	45	42	28	38	48
Emmons	48	61	59	52	55	40	44	32
Foster	43	52	51	40	55	41	44	49
Golden Valley	27	20	22	27	23	23	27	22
Grand Forks	542	543	610	552	613	597	577	584
Grant	39	38	39	36	54	35	26	26
Griggs	45	47	30	43	28	45	29	32
Hettinger	28	41	27	29	32	34	29	32
Kidder	24	42	39	30	36	37	33	28
La Moure	60	67	50	67	55	52	49	45
Logan	33	27	36	38	24	20	19	32
McHenry	52	68	55	54	49	56	41	50
McIntosh	22	39	37	35	37	34	22	29
McKenzie	48	35	49	44	48	44	45	46
McLean	88	79	77	87	100	101	82	91
Mercer	48	38	61	63	67	49	54	56
Morton	186	165	186	203	177	218	209	214
Mountrail	87	78	97	95	94	77	81	69
Nelson	35	50	41	33	39	41	40	39
Oliver	17	14	11	14	16	11	14	13
Pembina	106	100	91	127	119	99	83	75
Pierce	68	57	62	46	57	56	51	55
Ramsey	112	131	132	143	128	138	139	131
Ransom	45	70	72	60	64	53	48	52
Renville	36	34	30	26	24	23	28	22
Richland	123	136	135	139	163	165	141	152
Rolette	93	112	132	119	98	121	102	84

TABLE 2.20--*Continued*

County	Marriages							
	1970	1971	1972	1973	1974	1975	1976	1977
Sargent	47	35	43	38	42	41	38	40
Sheridan	25	24	18	26	32	21	27	26
Sioux	24	28	40	39	30	27	35	30
Slope	9	5	8	12	5	7	9	10
Stark	202	209	211	184	216	220	210	232
Steele	24	36	30	31	19	23	29	23
Stutsman	231	226	220	220	250	213	194	219
Towner	33	37	43	36	40	39	28	40
Traill	66	69	73	68	85	66	49	74
Walsh	130	138	150	134	132	150	111	118
Ward	532	607	658	683	659	761	678	655
Wells	61	59	76	4	61	61	61	56
Williams	192	180	220	167	194	202	197	190
County	Divorces							
NORTH DAKOTA	971	1,172	1,289	1,409	1,578	1,706	1,852	1,944
Adams	5	3	14	10	8	9	12	7
Barnes	23	24	49	98	43	56	37	40
Benson	4	6	9	1	10	8	8	8
Billings	1	1	---	---	3	1	1	1
Bottineau	8	13	14	12	13	11	17	9
Bowman	3	4	6	2	4	4	8	4
Burke	7	7	6	7	3	6	7	5
Burleigh	74	58	81	116	176	175	174	215
Cass	167	218	233	270	248	293	351	321
Cavalier	2	7	6	17	19	15	21	15
Dickey	10	4	9	7	17	7	4	15
Divide	2	9	8	15	11	13	16	14
Dunn	3	1	2	3	3	---	5	3
Eddy	4	6	5	3	8	8	7	6
Emmons	3	7	4	2	1	3	6	2
Foster	10	5	7	13	9	15	20	24
Golden Valley	1	1	1	2	3	1	5	5
Grand Forks	98	111	128	161	208	250	259	281
Grant	1	1	2	---	1	---	1	5
Griggs	3	1	6	3	4	5	5	3
Hettinger	---	1	2	2	1	---	2	1
Kidder	10	9	3	5	4	5	5	7
La Moure	7	3	11	3	5	8	3	6
Logan	4	3	3	2	---	1	---	1
McHenry	6	11	11	9	5	4	19	14

TABLE 2.20--*Continued*

County	Divorces							
	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	4	3	3	5	4	6	3	5
McKenzie	8	7	8	1	10	10	19	18
McLean	20	19	16	27	10	12	20	24
Mercer	4	10	4	9	5	11	12	11
Morton	23	37	40	28	54	45	58	64
Mountrail	18	21	20	21	14	18	17	21
Nelson	5	6	9	9	4	6	7	3
Oliver	---	1	---	---	1	1	1	---
Pembina	10	17	16	20	18	21	22	12
Pierce	11	9	15	13	3	21	7	12
Ramsey	26	35	38	47	51	53	53	55
Ransom	4	7	7	6	18	9	11	18
Renville	2	2	2	3	5	---	1	1
Richland	16	12	20	23	20	25	32	50
Rolette	11	11	10	11	9	18	24	17
Sargent	7	5	10	3	7	7	15	9
Sheridan	1	1	1	1	6	6	4	3
Sioux	4	4	2	5	2	1	2	---
Slope	1	---	---	1	1	2	---	---
Stark	26	46	34	42	44	47	51	46
Steele	5	5	3	5	2	3	1	2
Stutsman	58	54	69	74	67	81	81	91
Towner	3	3	2	8	5	2	8	8
Traill	53	78	71	56	59	45	43	35
Walsh	20	28	35	31	27	23	25	29
Ward	126	180	171	200	265	266	261	318
Wells	2	4	3	7	7	7	7	10
Williams	47	53	60	70	53	62	74	70

SOURCE: Data for the periods 1970-1971, 1972, 1973-1974, 1975-1976, and 1977 were provided by the North Dakota State Department of Health, Forty-Fifth Biennial Report, Forty-Fourth Report, Forty-Third Report, Forty-Second Biennial Report, and 1977 "Provisional Reports," respectively.

3.00

GEOGRAPHY AND CLIMATE

Selected elements of North Dakota's geography and climate are documented in this section. Maps on the following pages depict the state's basic topographical features and its weather patterns. These are followed by data on land and water areas of North Dakota and its counties, elevations of selected sites, and climate information such as temperature, precipitation, and length of growing season for selected locations throughout the state.

The primary source of data on land and water area is special reports prepared by the U.S. Bureau of the Census. Specialized data on drainage areas and stream flow rates have been provided by the North Dakota Water Commission. Climatologica data, based on long-term averages, are taken from data supplied to the North Dakota Crop and Livestock Reporting Service by the U.S. Environmental Data Service and published in *North Dakota Crop and Livestock Statistics*. Additiona climatological data comes from various special Weather Bureau reports. Severa historical series have been provided by W. A. Dando of the University of North Dakota's Department of Geography.

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TABLE 2.17

TOTAL PATIENTS SEEN AND PUBLIC HEALTH NURSING VISITS MADE IN NORTH DAKOTA BY CLASSIFICATION, FISCAL YEARS, 1976-1978

Classification	Fiscal 1976		Fiscal 1977		Fiscal 1978	
	Patients	Visits	Patients	Visits	Patients	Visits
Communicable Disease Control	1,143	2,472	1,733	3,402	1,734	3,368
Tuberculosis Control	2,226	10,280	602	1,714	586	1,449
Crippled Childrens Service	148	327	93	305	68	175
Maternity Service	3,788	9,479	4,018	8,418	4,707	9,591
Infant and Preschool	2,320	4,329	2,088	4,053	2,293	4,768
Mental Health	1,142	3,080	983	2,473	610	2,166
Morbidity and Home Health	4,410	32,940	4,183	23,258	3,688	27,960
Health Maintenance	2,234	2,966	2,211	6,824	2,934	10,572
School Health	1,661	2,582	607	1,262	555	1,241
TOTAL	19,070	68,458	16,518	51,709	17,175	61,290
Average Visits Per Patient	3.6		3.1		3.6	

SOURCE: North Dakota State Department of Health, Division of Community Health Nursing.

TABLE 3.02

LAND AREA OF NORTH DAKOTA COUNTIES

County	Land Area (Square Miles)	Rank	County	Land Area (Square Miles)	Rank
NORTH DAKOTA	69,280.0	--			
Adams	989.2	42	Mountrail	1,819.1	9
Barnes	1,479.1	16	Nelson	995.2	40
Benson	1,402.7	19	Oliver	720.8	49
Billings	1,139.0	29	Pembina	1,124.0	33
Bottineau	1,677.2	11	Pierce	1,037.9	37
Bowman	1,169.9	27	Ramsey	1,248.3	25
Burke	1,118.7	32	Ransom	861.1	46
Burleigh	1,625.3	13	Renville	886.3	45
Cass	1,748.9	10	Richland	1,449.1	17
Cavalier	1,511.7	14	Rolette	912.5	49
Dickey	1,143.2	28	Sargent	852.9	48
Divide	1,299.7	22	Sheridan	988.6	43
Dunn	1,992.2	6	Sioux	1,102.8	34
Eddy	635.0	53	Slope	1,224.7	26
Emmons	1,503.1	15	Stark	1,316.1	21
Foster	645.4	52	Steele	710.2	50
Golden Valley	1,014.0	38	Stutsman	2,264.3	2
Grand Forks	1,438.0	18	Towner	1,042.9	35
Grant	1,665.8	12	Traill	861.0	47
Griggs	709.9	51	Walsh	1,285.9	24
Hettinger	1,134.4	31	Ward	2,044.0	5
Kidder	1,357.6	20	Wells	1,298.9	23
La Moure	1,135.9	30	Williams	2,064.2	4
Logan	1,000.5	39			
McHenry	1,879.3	8			
McIntosh	991.7	41			
McKenzie	2,735.0	1			
McLean	2,065.0	3			
Mercer	1,041.5	36			
Morton	1,920.2	7			

SOURCE: U. S. Bureau of the Census, Area Measurement Reports, May 1970.

TABLE 3.03

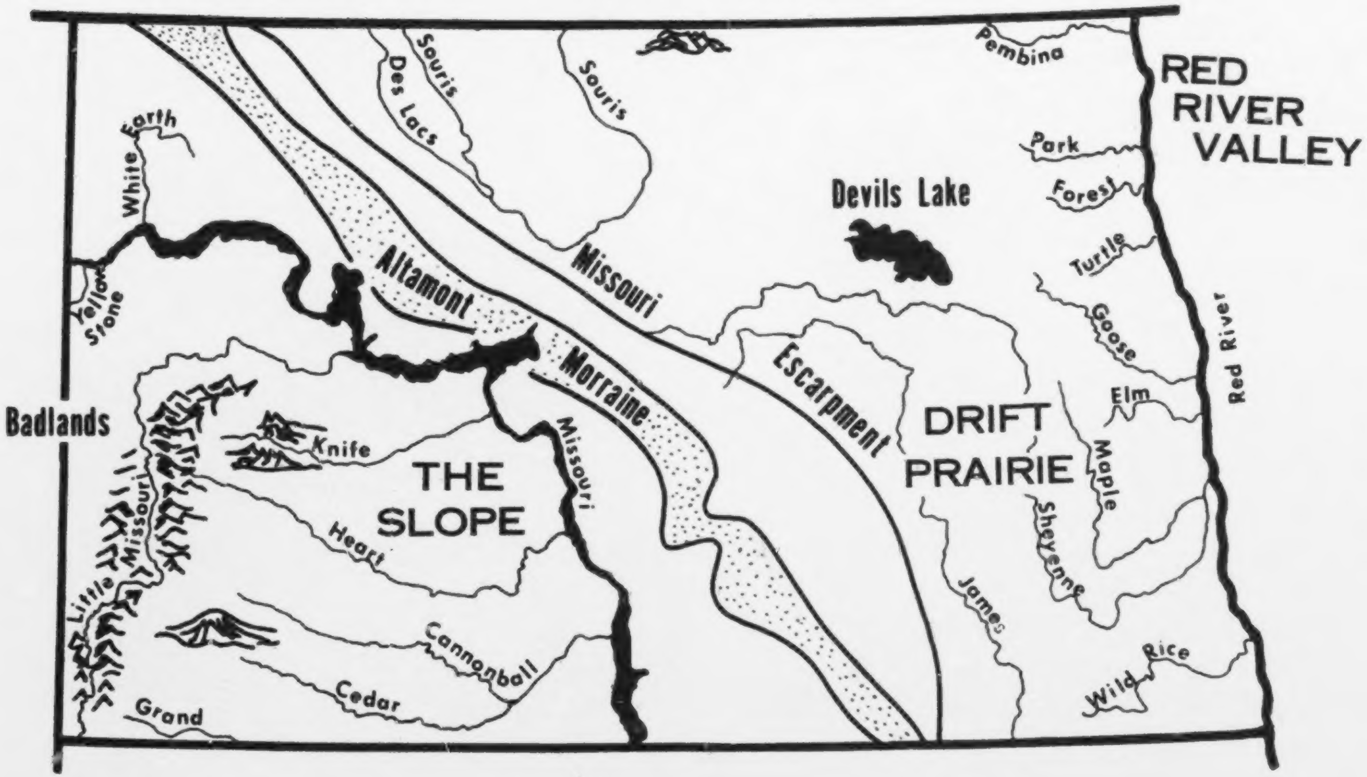
NORTH DAKOTA INLAND WATER AREA* BY COUNTY, 1960

County	Sq. Miles	County	Sq. Miles
Adams	0.8	Sargent	10.1
Barnes	15.9	Sheridan	16.4
Benson	26.3	Sioux	30.2
Billings	0.0	Slope	1.3
Bottineau	29.8	Stark	2.9
Bowman	0.1	Steele	1.8
Burke	10.3	Stutsman	32.7
Burleigh	49.7	Towner	6.1
Cass	1.1	Traill	0.0
Cavalier	1.3	Walsh	4.1
Dickey	0.8	Ward	14.0
Divide	7.3	Wells	3.1
Dunn	88.8	Williams	73.8
Eddy	10.0		
Emmons	55.9		
Foster	6.6		
Golden Valley	0.0		
Grand Forks	0.0		
Grant	6.2		
Griggs	8.1		
Hettinger	0.6		
Kidder	72.4		
La Moure	2.1		
Logan	14.5		
McHenry	24.7		
McIntosh	5.3		
McKenzie	107.0		
McLean	262.0		
Mercer	68.5		
Morton	23.8		
Mountrail	104.9		
Nelson	17.8		
Oliver	8.2		
Pembina	0.0		
Pierce	45.1		
Ramsey	60.7		
Ransom	1.9		
Renville	14.7		
Richland	9.9		
Rolette	25.5		

SOURCE: U.S. Bureau of the Census, Area Measurement Reports, May 1970.

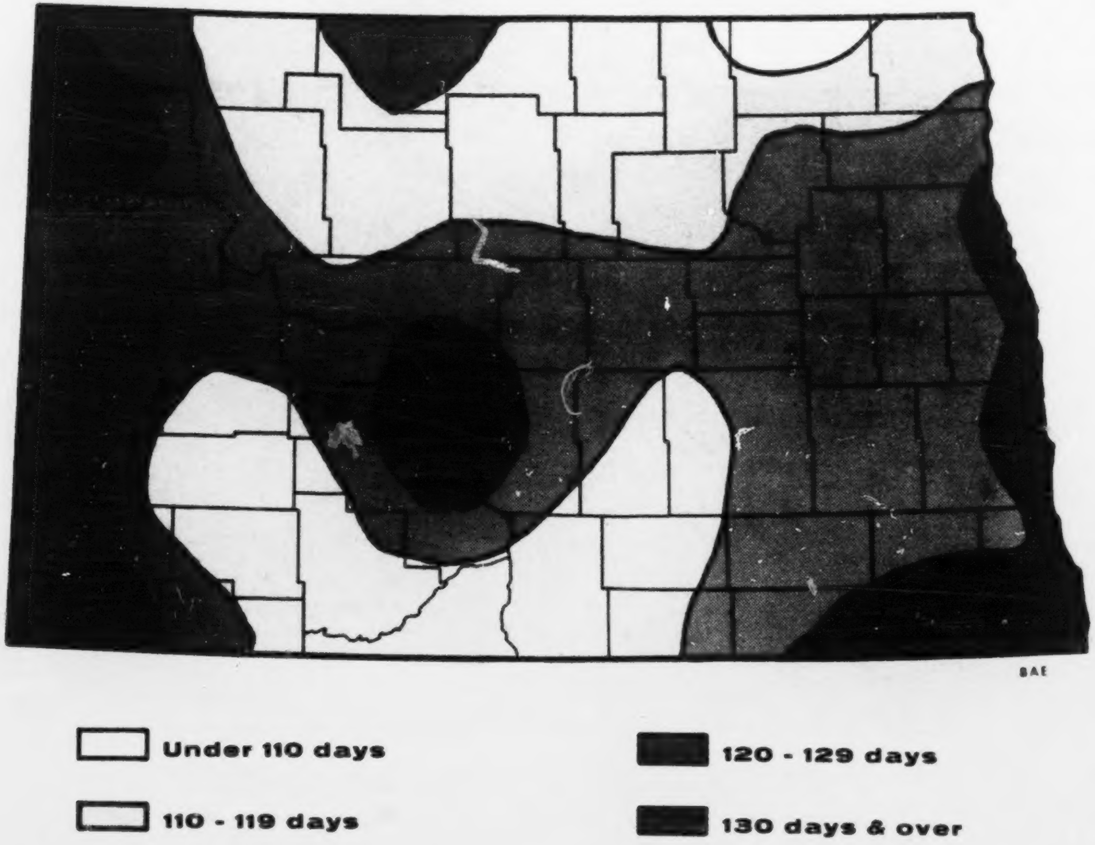
* Ponds, lakes or similar areas if their areas are forty acres or more; streams and canals must be one-eighth mile or more in width to be counted.

PHYSIOGRAPHIC DIAGRAM OF NORTH DAKOTA


Souris
Des Lacs
Souris
Pembina
RED RIVER VALLEY
White Earth
Park
Devils Lake
Forest
Turtle
Altamont
Missouri
Yellow Stone
Goose
Morraine
Escarpment
Red River
Elm
Badlands
Knife
THE SLOPE
DRIFT PRAIRIE
Missouri
Maple
Sheyenne
Heart
Little Missouri
James
Cannonball
Wild Rice
Cedar
Grand

Source: Composite of maps from North Dakota Department of Public Instruction, Project North Dakota: Reference Resource.

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32 DEGREES F.


BAE
Under 110 days
110 - 119 days
120 - 129 days
130 days & over

AVERAGE GROWING SEASON PRECIPITATION

(inches) April-September 1941-70

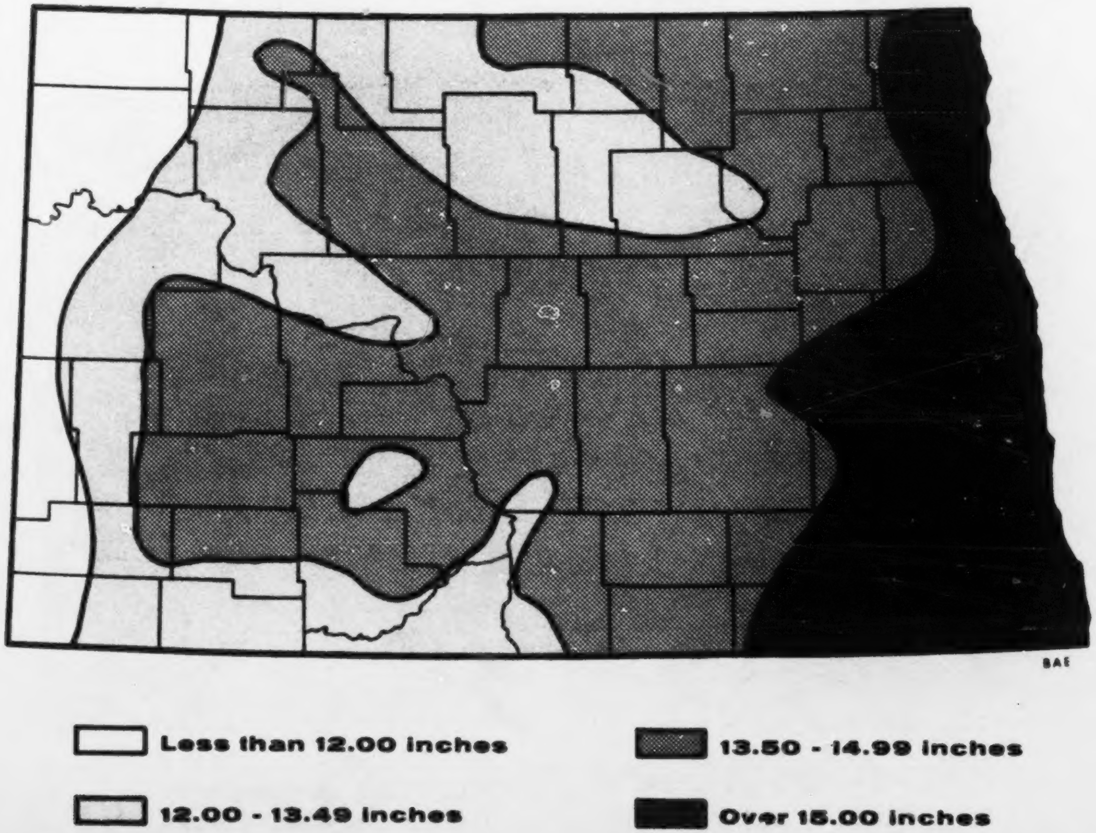

BAE
Less than 12.00 inches
12.00 - 13.49 inches
13.50 - 14.99 inches
Over 15.00 inches

TABLE 3.01

LAND AND WATER AREAS OF NORTH DAKOTA AND OTHER STATES, 1970

State	Total Area			Land Area[1]		Water Area[2]	
	Rank	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
United States		3,615,122	9,363,166	3,536,855	9,160,454	78,267	202,712
New England		66,608	172,515	62,951	163,043	3,657	9,472
Maine	39	33,215	86,027	30,920	80,083	2,295	5,944
New Hampshire	44	9,304	24,097	9,027	23,380	277	717
Vermont	43	9,609	24,887	9,267	24,002	342	886
Massachusetts	45	8,257	21,386	7,826	20,269	431	1,116
Rhode Island	50	1,214	3,144	1,049	2,717	165	427
Connecticut	48	5,009	12,973	4,862	12,593	147	381
Middle Atlantic		102,745	266,110	100,318	259,824	2,427	6,286
New York	30	49,576	128,402	47,831	123,882	1,745	4,520
New Jersey	46	7,836	20,295	7,521	19,479	315	816
Pennsylvania	33	45,333	117,412	44,966	116,462	367	951
East North Central		248,283	643,053	244,101	632,222	4,182	10,831
Ohio	35	41,222	106,765	40,975	106,125	247	640
Indiana	38	36,291	93,994	36,097	93,491	194	502
Illinois	24	56,400	146,076	55,748	144,387	652	1,689
Michigan	23	58,216	150,779	56,817	147,156	1,399	3,623
Wisconsin	26	56,154	145,439	54,464	141,062	1,690	4,377
West North Central		517,247	1,339,670	507,723	1,315,003	9,524	24,667
Minnesota	12	84,068	217,736	79,289	205,359	4,779	12,378
Iowa	25	56,290	145,791	55,941	144,887	349	904
Missouri	19	69,686	180,487	68,995	178,697	691	1,790
NORTH DAKOTA	17	70,665	183,022	69,273	179,417	1,392	3,605
South Dakota	16	77,047	199,552	75,955	196,723	1,092	2,828
Nebraska	15	77,227	200,018	76,483	198,091	744	1,927
Kansas	14	82,264	213,064	81,787	211,828	477	1,235

TABLE 3.01--*Continued*

State	Total Area			Land Area[1]		Water Area[2]	
	Rank	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
South Atlantic		278,776	722,030	266,970	691,452	11,806	30,578
Delaware	49	2,057	5,328	1,982	5,133	75	194
Maryland	42	10,577	27,394	9,891	25,618	686	1,777
District of Columbia		67	174	61	158	6	16
Virginia	36	40,817	105,716	39,780	103,030	1,037	2,686
West Virginia	41	24,181	62,629	24,070	62,3[illegible]1	111	287
North Carolina	28	52,586	136,198	48,798	126,387	3,788	9,811
South Carolina	40	31,055	80,432	30,225	78,283	830	2,150
Georgia	21	58,876	152,489	58,073	150,409	803	2,080
Florida	22	58,560	151,670	54,090	140,093	4,470	11,577
East South Central		181,964	471,287	178,982	463,563	2,982	7,723
Kentucky	37	40,395	104,623	39,650	102,694	745	1,930
Tennessee	34	42,244	109,412	41,328	107,040	916	2,372
Alabama	29	51,609	133,667	50,708	131,334	901	2,334
Mississippi	32	47,716	123,584	47,296	122,497	420	1,088
West South Central		438,884	1,136,710	427,791	1,107,979	11,093	28,731
Arkansas	27	53,104	137,539	51,945	134,538	1,159	3,002
Louisiana	31	48,523	125,675	44,930	116,369	3,593	9,306
Oklahoma	18	69,919	181,090	68,782	178,145	1,137	2,945
Texas	2	267,338	692,405	262,134	678,927	5,204	13,478
Mountain		863,887	2,237,467	856,047	2,217,162	7,840	20,306
Montana	4	147,138	381,087	145,587	377,070	1,551	4,017
Idaho	13	83,557	216,413	82,677	214,133	880	2,279
Wyoming	9	97,914	253,597	97,203	251,756	711	1,841
Colorado	8	104,247	270,000	103,766	268,754	481	1,246
New Mexico	5	121,666	315,115	121,412	314,457	254	658
Arizona	6	113,909	295,024	113,417	293,750	492	1,274
Utah	11	84,916	219,932	82,096	212,629	2,820	7,304

TABLE 3.01--*Continued*

State	Total Area			Land Area[1]		Water Area[2]	
	Rank	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
Nevada	7	110,540	286,299	109,889	284,613	651	1,686
Pacific		916,728	2,374,326	891,972	2,310,207	24,756	64,118
Washington	20	68,192	176,617	66,570	172,416	1,622	4,201
Oregon	10	96,981	251,181	96,184	249,117	797	2,064
California	3	158,693	411,015	156,361	404,975	2,332	6,040
Alaska	1	586,412	1,518,807	566,432	1,467,059	19,980	51,748
Hawaii	47	6,450	16,706	6,425	16,641	25	65

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1977.

[1] Dry land and land temporarily or partially covered by water, as marshland, swamps, etc.; streams and canals under one-eight statute mile wide; and lakes, reservoirs, and ponds under 40 acres of area.

[2] Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands having less than 40 acres of area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water.

TABLE 3.04

NORTH DAKOTA DRAINAGE AREAS BY BASIN AND SUB-BASINS IN SQUARE MILES

Stream (Basin)	Drainage Area in Square Miles	
Missouri River		
Yellowstone River	748	
Little Missouri River	4,746	
Knife River	2,507	
Heart River	3,343	
Cannonball River	4,310	
Grand River	894	
Western Missouri Mainstream Tributaries	2,801	
Eastern Missouri Direct Tributaries	9,626	
Eastern Missouri Direct Tributaries (Noncontributing)	4,927	
Total Missouri River (excluding James)		33,902
James River		6,831
Souris River		9,112
Red River		
Pembina River	1,960	
Park River	1,010	
Forest River	1,030	
Turtle River	730	
Goose River	1,280	
Elm River	510	
Wild Rice River	2,020	
Sheyenne River	7,140	
Bois de Sioux River	195	
Red River (Direct Tributaries)	1,365	
Total Red River		17,240
Devils Lake Basin		3,580
Total Area of North Dakota		70,665

SOURCE: North Dakota State Water Commission, North Dakota Interim State Water Resources Development Plan, 1968.

TABLE 3.05

AVERAGE ANNUAL RIVER FLOWS IN NORTH DAKOTA

River	Stream Gage Location	Flow (cfs)*	Period of Record
Red River	Grand Forks	2,502	1882-present
Sheyenne River	West Fargo	169	1929-present
Knife River	Hazen	177	1937-present
Heart River	Mandan	250	1937-present
Missouri River	Bismarck	22,360	1928-present
Cannonball River	Breien	238	1934-present
James River	La Moure	87	1950-present
Goose River	Hillsboro	64	1931-present
Souris River	Westhope	259	1930-present
Little Missouri River	Watford City	592	1934-present

SOURCE: North Dakota Water Commission, unpublished data, 1979.

* Measured in cubic feet/second.

TABLE 3.07

ALTITUDES OF SELECTED NORTH DAKOTA COMMUNITIES

Communities	County	Altitude Feet
Amidon	Slope	2,907
Bathgate	Pembina	821
Beach	Golden Valley	2,774
Belfield	Stark	2,585
Bismarck (airport)	Burleigh	1,664
Bowbells	Burke	1,958
Bottineau	Bottineau	1,645
Bowman	Bowman	2,872
Butte St. Paul (Turtle Mountains)		2,300
Cando	Towner	1,468
Carrington	Foster	1,584
Casselton	Cass	930
Cooperstown	Griggs	1,428
Crosby	Divide	1,954
Devils Lake	Ramsey	1,475
Dickinson	Stark	2,416
Fargo (airport)	Cass	896
Ft. Berthold		1,773
Grand Forks	Grand Forks	830
Langdon	Cavalier	1,610
Leeds	Benson	1,519
Linton	Emmons	1,716
Lisbon	Ransom	1,091
Mandan	Morton	1,650
Marmarth	Slope	2,714
Medora	Billings	2,290
Milton	Cavalier	1,586
Minnewaukan	Benson	1,461
Minot	Ward	1,520
Napoleon	Logan	1,934
Park River	Walsh	998
Pembina	Pembina	793
Portal	Burke	1,952
Rugby	Pierce	1,567
Sentinel Butte	Golden Valley	2,707
Steele	Kidder	1,857
St. John	Rolette	1,950

SOURCE: North Dakota Blue Book, 1973, published under Legislative Authority by North Dakota Secretary of State, and data provided by the University of North Dakota, Department of Geography.

TABLE 3.08

AVERAGE ANNUAL TEMPERATURE (°F) IN NORTH DAKOTA, 1892-1977

Year	Average Temperature	Year	Average Temperature
1892	37.8°	1940	41.0°
1893	35.8	1941	42.2
1894	40.3	1942	40.9
1895	37.7	1943	39.8
1896	37.3	1944	41.0
1897	37.8	1945	39.0
1898	39.2	1946	40.8
1899	36.9	1947	40.1
1900	40.9	1948	40.0
1901	40.4	1949	39.9
1902	39.4	1950	35.7
1903	38.3	1951	37.2
1904	37.6	1952	41.3
1905	39.3	1953	42.8
1906	39.4	1954	41.5
1907	36.9	1955	39.4
1908	40.7	1956	39.6
1909	38.2	1957	40.8
1910	41.1	1958	41.4
1911	38.0	1959	40.3
1912	38.2	1960	40.4
1913	40.0	1961	41.9
1914	41.1	1962	40.6
1915	39.7	1963	41.9
1916	36.2	1964	40.5
1917	36.3	1965	[illegible]
1918	40.0	1966	38.9
1919	38.6	1967	39.9
1920	39.5	1968	40.1
1921	42.0	1969	43.7
1922	39.7	1970	39.1
1923	40.0	1971	39.7
1924	38.2	1972	38.1
1925	40.6	1973	42.3
1926	40.7	1974	40.4
1927	38.0	1975	40.0
1928	41.1	1976	40.2
1929	38.0	1977	41.5
1930	41.4		
1931	44.9		
1932	40.0		
1933	41.1		
1934	43.4		
1935	39.4		
1936	38.8		
1937	39.1		
1938	41.9		
1939	41.9		

SOURCE: W.A. Dando, Weather and Climate of North Dakota, Grand Forks: Unpublished Manuscript, 1979.

TABLE 3.06

EXTREME AND MEAN ELEVATIONS IN NORTH DAKOTA AND OTHER STATES

State or Other Area	Highest Point			Lowest Point			Approximate Mean Elevation	
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters	Feet	Meters
U.S.	Mt. McKinley (Alaska)	20,320	6,198	Death Valley (Calif.)	- 282	- 86	2,500	763
Ala.	Cheaha Mountain	2,407	734	Gulf of Mexico	(1)	(1)	500	153
Alaska	Mount McKinley	20,320	6,198	Pacific Ocean	(1)	(1)	1,900	580
Ariz.	Humphreys Peak	12,633	3,853	Colorado River	70	21	4,100	1,251
Ark.	Magazine Mountain	2,753	840	Ouachita River	55	17	650	198
Calif.	Mount Whitney	14,494	4,421	Death Valley	- 282	- 86	2,900	885
Colo.	Mount Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800	2,074
Conn.	Mt. Frissell, on South slope	2,380	726	Long Island Sound	(1)	(1)	500	753
Del.	Ebright Road, New Castle Co.	442	135	Atlantic Ocean	(1)	(1)	60	18
D.C.	Tonleytown	410	125	Potomac River	1	(3)	150	46
Fla.	Sec. 30, T6N, R20W, Walton County[2]	345	105	Atlantic Ocean	(1)	(1)	100	31
Ga.	Brasstown Bald	4,784	1,459	Atlantic Ocean	(1)	(1)	600	183
Hawaii	Mauna Kea	13,796	4,208	Pacific Ocean	(1)	(1)	3,030	924
Idaho	Borah Peak	12,662	3,862	Snake River	710	217	5,000	1,525
Ill.	Charles Mound	1,235	377	Mississippi River	279	85	600	183
Ind.	Franklin Twp., Wayne Co.	1,257	383	Ohio River	320	98	700	214
Iowa	Sec. 29, T100N, R41W, Osceola County[2]	1,670	509	Mississippi River	480	146	1,100	336
Kans.	Mount Sunflower	4,039	1,232	Verdigris River	680	207	2,000	610
Ky.	Black Mountain	4,145	1,264	Mississippi River	257	78	750	229
La.	Driskill Mountain	535	163	New Orleans	-5	-2	100	31
Maine	Mount Katahdin	5,268	1,607	Atlantic Ocean	(1)	(1)	600	183

TABLE 3.06--*Continued*

State or Other Area	Highest Point			Lowest Point			Approximate Mean Elevation	
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters	Feet	Meters
Md.	Backbone Mountain, near Kempton, W. Va.	3,360	1,025	Atlantic Ocean	(1)	(1)	350	107
Mass.	Mount Greylock	3,491	1,065	Atlantic Ocean	(1)	(1)	500	153
Mich.	Mount Curwood	1,980	604	Lake Erie	572	174	900	275
Minn.	Eagle Mountain, Cook Co.	2,301	702	Lake Superior	602	184	1,200	366
Miss.	Woodall Mountain, near Iuka	806	246	Gulf of Mexico	(1)	(1)	300	92
Mo.	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800	244
Mont.	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037
Nebr.	Johnson Twp., Kimball Co., T12N, R59W[2]	5,426	1,665	Southeast corner of State	840	256	2,600	793
Nev.	Boundary Peak	13,143	4,008	Colorado River	470	143	5,500	1,678
N.H.	Mount Washington	6,288	1,918	Atlantic Ocean	(1)	(1)	1,000	305
N.J.	High Point	1,803	550	Atlantic Ocean	(1)	(1)	250	76
N. Mex.	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,817	859	5,700	1,739
N.Y.	Mount Marcy	5,344	1,630	Atlantic Ocean	(1)	(1)	1,000	305
N.C.	Mount Mitchell	6,684	2,039	Atlantic Ocean	(1)	(1)	700	214
N. DAK.	White Butte, Slope Co.	3,506	1,069	Red River	750	229	1,900	580
Ohio	Campbell Hill	1,550	473	Ohio River	433	132	850	259
Okla.	Black Mesa	4,973	1,517	Little River	287	88	1,300	397
Oreg.	Mount Hood	11,235	3,427	Pacific Ocean	(1)	(1)	3,300	1,007
Pa.	Mount Davis	3,213	980	Delaware River	(1)	(1)	1,100	336
R.I.	Jerimoth Hill	812	248	Atlantic Ocean	(1)	(1)	200	61
S.C.	Sassafras Mountain	3,560	1,086	Atlantic Ocean	(1)	(1)	350	107
S. Dak.	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200	671
Tenn.	Clingmans Dome	6,643	2,026	Mississippi River	182	56	900	275
Tex.	Guadalupe Peak	8,751	2,669	Gulf of Mexico	(1)	(1)	1,700	519
Utah	Kings Peak	13,528	4,126	Beaverdam Creek	2,000	610	6,100	1,861

TABLE 3.06--*Continued*

State or Other Area	Highest Point			Lowest Point			Approximate Mean Elevation	
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters	Feet	Meters
Vt.	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000	305
Va.	Mount Rogers	5,729	1,747	Atlantic Ocean	(1)	(1)	950	290
Wash.	Mount Rainier	14,410	4,395	Pacific Ocean	(1)	(1)	1,700	519
W. Va.	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500	458
Wis.	Timms Hill	1,952	595	Lake Michigan	581	177	1,050	314
Wyo.	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	946	6,700	2,044

SOURCE: U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1978.

[1] Sea level.

[2] "Sec." denotes section; "T" township; "R" range; "N" north; "W" west.

[3] Less than .5 meters.

LONG-TERM MEAN TEMPERATURES BY MONTHS, NORTH DAKOTA REPORTING STATIONS, 1941-1970 (In Degrees F)

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Burke - Bowbells	4.6°	9.6°	20.1°	39.0°	51.1°	60.4°	67.1°	65.4°	54.0°	43.6°	25.4°	12.1°	37.7°
Burke - Portal	3.4	8.5	19.4	39.1	51.3	60.5	67.2	65.4	54.0	43.8	24.8	11.2	37.4
Divide - Crosby	5.7	11.3	21.8	40.3	52.3	61.0	68.1	66.4	55.1	44.6	26.2	13.1	38.8
Mountrail - New Town	7.3	12.6	23.4	41.2	52.7	61.7	68.7	67.3	56.0	45.4	27.7	14.8	39.9
Mountrail - Parshall	6.8	12.3	23.1	40.9	52.5	61.5	68.4	67.0	55.6	45.0	27.0	14.1	39.5
Mountrail - Stanley	5.7	10.9	21.3	39.6	51.2	60.5	67.6	65.9	54.3	43.8	25.6	12.7	38.3
Renville - Mohall	4.4	9.6	21.4	40.3	52.4	61.7	67.9	66.4	55.2	44.7	25.8	11.9	38.5
Ward - Foxholm	7.3	12.3	23.2	41.2	53.4	62.5	69.2	67.8	56.7	46.4	27.9	14.4	40.2
Ward - Kenmare	6.0	10.8	21.2	39.6	52.2	61.6	68.5	66.8	55.3	44.8	26.5	13.4	38.9
Ward - Minot FAA AP	7.9	12.8	23.6	41.1	52.8	62.0	68.8	67.2	56.2	46.1	27.9	14.7	40.1
Williams - Williston	8.3	14.2	24.7	42.4	54.1	62.7	70.1	68.5	56.7	45.7	28.1	15.4	40.9
Northwest District (1)	6.2	11.4	22.1	40.5	52.4	61.4	68.3	66.8	55.4	44.9	26.6	13.5	39.1
Benson - Leeds	4.0	9.1	21.8	40.8	53.0	62.8	68.9	67.4	55.9	45.1	25.9	11.1	38.8
Benson - Maddock Ag. School	4.6	9.5	22.0	40.7	53.0	62.6	68.8	67.4	56.1	45.0	26.1	11.6	39.0
Bottineau - Bottineau	1.7	6.8	19.2	39.1	51.6	61.3	67.4	66.1	54.5	43.6	23.8	9.4	37.0
Bottineau - Westhope	2.8	7.8	20.2	39.9	52.4	61.7	68.0	66.5	54.8	44.0	24.6	10.2	37.7
Bottineau - Willow City	2.1	7.1	20.0	39.7	51.8	61.6	67.7	65.8	54.6	43.6	24.7	9.7	37.4
McHenry - Drake	5.0	9.7	21.2	40.2	52.8	62.4	69.1	67.4	55.8	45.4	26.5	12.7	39.0
McHenry - Granville	6.3	11.5	23.1	41.5	53.5	62.6	69.3	67.9	56.8	46.2	27.4	13.4	40.0
McHenry - Towner	4.5	9.9	22.0	41.0	53.1	62.5	68.9	66.9	55.5	45.1	26.3	11.9	39.0
McHenry - Velva	7.7	13.0	24.3	42.3	54.1	63.1	69.3	67.5	56.5	46.4	28.0	14.6	40.6
Rolette - Rolla	3.1	8.3	20.1	38.6	51.2	61.0	67.3	65.3	54.1	43.8	24.5	10.4	37.3
Rolette - San Haven	3.9	9.3	20.8	39.4	51.9	61.1	67.5	65.8	54.7	44.5	25.1	11.2	37.9
North Central District (2)	4.3	9.1	21.2	40.2	52.5	62.0	68.3	66.6	55.3	44.7	25.6	11.4	38.4
Cavalier - Hannah	0.7	5.7	18.1	37.6	50.6	60.4	66.2	64.5	53.9	43.2	23.7	8.7	36.1
Cavalier - Langdon Exp. Farm	1.3	6.7	19.5	38.5	51.3	61.0	66.7	65.3	54.5	43.9	24.2	8.7	36.8

TABLE 3.10

AVERAGE ANNUAL PRECIPITATION IN INCHES IN NORTH DAKOTA, 1892-1977

Year	Precipitation (Inches)
1892	18.34
1893	15.85
1894	15.61
1895	17.36
1896	33.65
1897	16.02
1898	16.15
1899	17.62
1900	19.06
1901	19.41
1902	19.35
1903	19.24
1904	17.81
1905	18.91
1906	20.03
1907	14.31
1908	18.55
1909	18.10
1910	12.54
1911	18.42
1912	20.39
1913	14.65
1914	18.97
1915	19.28
1916	19.87
1917	10.75
1918	16.01
1919	15.59
1920	15.28
1921	19.44
1922	19.89
1923	17.79
1924	17.12
1925	16.65
1926	15.37
1927	21.51
1928	17.88
1929	14.31
1930	14.89
1931	15.00
1932	17.18
1933	13.45
1934	9.51
1935	18.04
1936	8.83
1937	17.03
1938	15.33
1939	14.15
1940	17.39
1941	23.23
1942	18.75
1943	18.32
1944	21.45
1945	14.85
1946	16.65
1947	18.18
1948	17.45
1949	17.54
1950	18.23
1951	16.92
1952	12.25
1953	20.04
1954	18.60
1955	17.02
1956	17.54
1957	19.03
1958	13.84
1959	15.98
1960	15.08
1961	13.41
1962	20.99
1963	17.22
1964	19.48
1965	21.33
1966	16.85
1967	14.29
1968	19.17
1969	16.79
1970	18.80
1971	19.67
1972	17.38
1973	16.52
1974	15.86
1975	18.55
1976	12.04
1977	21.67

SOURCE: W.A. Dando, Weather and Climate of North Dakota, Grand Forks: Unpublished Manscript, 1979.

TABLE 3.09--*Continued*

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Grand Forks - Grand Forks FAA AP	3.5°	8.2°	21.8°	40.5°	53.0°	63.2°	69.1°	67.4°	56.2°	45.3°	26.9°	10.8°	38.8°
Grand Forks - Grand Forks UND	4.1	9.0	22.7	41.4	54.2	64.1	69.7	68.1	56.9	46.3	27.4	11.4	39.6
Grand Forks - Larimore	4.9	10.0	23.0	40.9	53.6	63.4	69.3	68.0	57.0	46.3	27.4	12.2	39.7
Pembina - Cavalier	3.3	8.6	21.5	40.4	53.6	63.6	69.2	67.5	56.5	45.7	26.6	10.7	38.9
Pembina - Pembina	1.0	6.1	19.8	39.7	52.7	62.8	68.6	66.9	56.0	45.1	25.6	9.0	37.8
Ramsey - Devils Lake KDLR	4.2	9.1	21.6	40.1	52.4	62.5	68.9	67.3	55.8	45.2	26.1	11.2	38.7
Ramsey - Edmore	1.9	7.2	19.9	38.8	51.3	61.0	66.8	65.5	54.3	43.5	24.5	9.3	37.0
Towner - Bisbee	3.1	7.9	20.6	39.6	52.1	62.2	68.1	66.3	55.1	44.1	25.2	10.6	37.9
Towner - Hansboro	2.4	7.8	19.8	38.5	50.9	60.3	66.4	64.7	53.8	43.6	24.4	10.1	36.9
Walsh - Grafton	3.8	9.1	22.3	41.1	54.0	63.7	69.3	68.3	57.1	46.4	27.0	10.5	39.4
Walsh - Park River	4.6	9.7	22.5	40.7	53.8	63.7	69.6	68.4	57.5	46.8	27.2	11.7	39.7
Northeast District (3)	3.1	8.1	21.1	39.7	52.5	62.4	68.2	66.7	55.7	44.9	25.8	10.4	38.2
Dunn - Dunn Center	9.2	14.3	23.3	40.5	52.2	61.3	68.6	67.2	55.5	45.3	28.2	16.3	40.2
McKenzie - Watford City	9.9	16.4	25.7	42.9	54.2	62.8	70.3	68.8	57.3	46.7	29.3	17.2	41.8
McLean - Max	5.5	10.2	21.3	39.9	52.0	61.7	68.5	67.0	55.2	44.4	26.0	12.8	38.7
McLean - Raub	9.4	15.7	24.7	42.5	54.0	62.7	70.0	68.8	57.4	47.2	29.8	16.9	41.6
McLean - Turtle Lake	7.5	12.4	23.7	42.1	54.0	63.1	69.8	68.8	57.3	46.7	28.1	14.8	40.7
McLean - Washburn	9.3	14.8	25.5	43.0	54.5	63.9	70.8	69.3	57.9	47.5	29.5	16.4	41.9
Oliver - Center	8.5	13.9	24.1	41.4	53.3	62.3	69.0	67.6	56.0	45.7	28.4	15.5	40.5
West Central District (4)	8.4	13.5	23.8	41.5	53.3	62.4	69.4	68.1	56.5	46.0	28.3	15.6	40.6
Foster - Carrington	5.3	9.6	21.6	39.5	51.9	61.8	68.3	66.6	55.0	45.4	26.5	12.3	38.6
Foster - McHenry	3.8	9.0	21.7	39.9	52.2	61.7	67.8	66.4	55.2	44.7	26.0	11.0	38.3
Kidder - Pettibone	5.9	10.7	22.6	40.8	52.8	62.4	69.3	68.1	56.7	46.0	27.4	13.0	39.6
Kidder - Steele	7.6	12.4	24.1	42.0	53.9	63.1	69.5	68.4	57.3	46.9	28.6	14.8	40.7
Sheridan - McClusky	6.8	11.9	23.1	41.3	53.5	62.8	69.8	68.5	56.9	46.2	27.6	14.0	40.2
Stutsman - Jamestown FAA AP	6.6	11.7	23.9	41.3	53.0	63.0	69.3	68.0	56.5	46.0	27.8	13.6	40.1

TABLE 3.09--*Continued*

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Stutsman - Jamestown State Hosp.	8.0°	13.0°	25.2°	42.5°	54.5°	64.3°	70.6°	69.3°	57.8°	47.1°	28.9°	14.8°	41.3°
Stutsman - Kensal Wildlife Refuge	6.7	11.8	23.7	41.2	53.2	62.8	69.1	68.0	56.7	46.2	27.9	13.6	40.1
Wells - Fessenden	6.6	11.6	23.5	41.8	53.6	63.0	69.5	68.2	57.1	46.5	27.7	13.5	40.2
Central District (5)	6.7	11.3	23.2	41.2	53.2	62.7	69.2	67.9	56.6	46.1	27.6	13.4	39.9
Barnes - Valley City	7.5	12.9	25.4	42.7	55.0	64.3	70.1	68.7	57.5	47.0	28.9	14.4	41.2
Cass - Fargo	5.9	10.7	24.2	42.3	54.6	64.7	70.7	69.2	57.9	47.0	28.6	13.0	40.8
Griggs - Cooperstown	5.4	10.5	23.6	41.6	53.8	63.4	69.5	68.4	57.0	46.2	27.7	12.4	40.0
Steele - Sharon	4.5	9.7	22.6	40.4	52.9	62.5	68.6	67.4	56.3	45.7	26.6	11.3	39.0
Traill - Hillsboro	6.2	11.2	24.4	42.2	54.8	64.6	70.5	68.9	58.2	47.4	28.9	13.2	40.9
Traill - Mayville	6.0	10.8	24.3	42.2	54.5	64.3	70.2	69.0	58.0	47.3	28.5	13.1	40.7
East Central District (6)	6.4	11.2	24.2	42.1	54.4	64.0	70.0	68.7	57.6	46.9	28.3	13.0	40.6
Bowman - Bowman Court House	14.1	18.8	26.8	42.0	53.3	61.9	69.9	68.8	57.2	46.7	30.3	20.2	42.5
Hettinger - Mott	12.5	17.6	26.4	42.3	53.3	62.2	69.5	68.2	56.9	46.2	29.5	18.5	41.9
Hettinger - New England	13.5	18.1	26.9	42.0	53.2	62.1	69.5	68.5	56.9	46.0	29.9	19.3	42.2
Slope - Amidon	13.8	18.7	26.3	41.5	52.8	61.4	69.5	68.8	57.3	46.7	30.3	20.0	42.3
Slope - Marmarth	13.9	19.4	27.6	43.2	54.1	62.7	70.4	68.8	57.0	45.7	29.9	19.9	42.7
Stark - Dickinson FAA AP	12.1	16.8	25.3	41.2	52.5	61.5	69.3	68.2	56.6	46.3	29.2	18.5	41.5
Stark - Dickinson Exp. St.	10.4	15.1	24.2	40.8	52.2	61.1	68.5	67.5	55.8	45.2	28.4	17.1	40.5
Stark - Richardton Abbey	12.1	17.2	26.1	42.5	53.8	62.5	69.9	69.0	57.6	47.4	30.0	18.9	42.3
Southwest District (7)	12.8	17.8	26.2	42.0	53.2	61.9	69.6	68.4	56.8	46.2	29.7	19.1	42.0
Burleigh - Bismarck	8.2	13.5	25.1	43.0	54.4	63.8	70.8	69.2	57.5	46.8	28.9	15.6	41.4
Emmons - Linton	9.5	15.0	26.5	44.0	55.8	64.8	71.5	70.5	58.7	47.6	29.7	16.3	42.5
Grant - Carson	10.1	15.2	24.7	41.8	53.4	62.6	70.1	69.2	57.3	46.7	29.0	17.2	41.4

TABLE 3.09--*Continued*

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Morton - Mandan Exp. St.	8.3°	13.0°	24.4°	42.2°	53.8°	63.2°	70.2°	68.9°	57.3°	46.8°	28.8°	15.7°	41.1°
Morton - New Salem	9.8	14.9	24.9	41.9	53.5	62.6	69.9	68.7	57.4	47.0	28.9	16.8	41.4
Sioux - Ft. Yates	11.4	16.4	27.0	43.9	55.5	64.7	71.9	70.6	59.1	48.3	31.1	18.6	43.2
South Central District (8)	10.3	15.0	25.6	42.9	54.5	63.6	70.7	69.5	58.0	47.4	29.6	17.0	42.0
Dickey - Ellendale	9.6	14.6	26.9	43.8	55.4	64.7	70.9	70.0	59.0	48.2	30.3	16.4	42.5
Dickey - Fullerton	9.0	14.1	26.4	43.6	55.4	64.7	70.7	69.6	58.4	47.8	30.0	15.9	42.1
Dickey - Oakes	7.0	11.6	24.7	42.0	54.2	64.1	70.4	69.0	57.5	46.7	28.9	14.4	40.9
La Moure - Edgeley	7.9	12.5	24.7	41.7	53.5	63.1	69.3	68.4	57.4	46.7	28.7	14.9	40.7
Logan - Napoleon	7.7	12.5	23.9	42.1	54.0	63.2	69.8	68.9	57.5	46.8	28.5	14.9	40.8
McIntosh - Ashley	8.2	12.5	24.1	41.5	53.2	62.5	68.9	67.8	56.7	46.4	28.6	15.2	40.5
McIntosh - Wishek	6.6	11.0	22.6	40.3	52.3	62.0	68.3	67.0	55.7	45.1	27.5	14.0	39.4
Ransom - Lisbon	8.3	13.2	26.3	43.0	55.1	64.6	70.3	68.9	58.1	48.1	30.1	15.1	41.8
Ransom - McLeod	7.7	12.7	25.9	43.3	55.7	65.0	70.9	69.9	59.0	48.2	29.8	14.4	41.9
Richland - Hankinson RR St.	8.1	12.4	24.7	41.9	54.7	65.0	70.9	69.2	57.8	47.1	29.5	15.0	41.4
Richland - Wahpeton	8.7	13.5	26.5	44.2	56.6	66.2	71.7	70.6	59.7	49.2	30.8	15.6	42.8
Sargent - Forman	8.3	13.6	26.5	43.6	55.6	65.4	71.6	70.3	59.0	48.0	30.1	15.6	42.3
Southeast District (9)	8.2	12.8	25.2	42.5	54.6	64.2	70.3	69.1	57.9	47.3	29.3	15.0	41.4
NORTH DAKOTA	7.4	12.2	23.6	41.4	53.4	62.7	69.3	68.0	56.6	46.0	27.9	14.3	40.2

SOURCE: North Dakota Crop and Livestock Statistics, 1977 Annual Summary.

TABLE 3.11

LONG-TERM PRECIPITATION BY MONTHS, NORTH DAKOTA REPORTING STATIONS, 1941-1970 (In Inches)

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Burke - Bowbells	.55	.54	.60	1.27	2.22	3.92	2.25	2.22	1.66	.89	.52	.46	17.10
Burke - Portal	.53	.49	.61	1.04	2.03	3.74	2.05	2.28	1.43	.82	.51	.51	16.04
Divide - Crosby	.41	.38	.48	1.10	1.80	3.17	2.15	2.10	1.38	.76	.44	.41	14.58
Mountrail - New Town	.47	.41	.56	1.28	2.00	3.72	2.23	1.95	1.37	.69	.48	.38	15.54
Mountrail - Parshall	.39	.34	.44	1.23	2.17	3.86	2.37	2.08	1.65	.68	.44	.31	15.96
Mountrail - Stanley	.44	.49	.61	1.43	2.21	3.78	2.47	2.08	1.55	.76	.48	.43	16.73
Renville - Mohali	.45	.44	.65	1.31	2.16	3.91	2.42	2.26	1.52	.86	.56	.45	16.99
Ward - Foxholm	.48	.39	.56	1.34	2.00	3.79	2.12	2.17	1.37	.76	.54	.39	15.91
Ward - Kenmare	.54	.51	.70	1.29	1.98	3.76	2.05	1.90	1.47	.75	.54	.47	15.96
Ward - Minot FAA AP	.67	.52	.69	1.65	2.29	3.66	2.40	2.12	1.44	.65	.62	.53	17.24
Williams - Wildrose	.47	.47	.54	1.16	1.89	3.47	1.99	1.99	1.47	.80	.52	.49	15.26
Williams - Williston	.59	.53	.63	1.24	1.62	3.25	2.04	1.56	1.21	.64	.53	.49	14.33
Northwest District (1)	.46	.43	.55	1.26	2.01	3.61	2.21	2.02	1.45	.81	.50	.41	15.72
Benson - Leeds	.72	.42	1.01	1.36	2.35	3.25	2.44	2.03	1.64	.89	.65	.62	17.38
Benson - Maddock Ag. School	.54	.40	.78	1.22	2.23	3.55	2.73	2.15	1.76	.94	.55	.49	17.34
Bottineau - Bottineau	.42	.32	.62	1.07	2.22	3.63	2.65	2.82	1.46	.85	.43	.38	16.87
Bottineau - Westhope	.50	.41	.65	1.14	1.87	3.51	2.29	2.40	1.47	.86	.55	.44	16.09
Bottineau - Willow City	.44	.32	.57	1.04	1.96	3.38	2.22	2.53	1.43	.76	.45	.38	15.48
McHenry - Drake	.45	.36	.71	1.41	2.25	3.73	2.65	2.22	1.72	.85	.65	.42	17.42
McHenry - Granville	.52	.38	.59	1.32	2.23	3.75	2.20	2.48	1.41	.75	.49	.40	16.52
McHenry - Towner	.57	.40	.77	1.43	2.16	3.39	2.23	2.39	1.54	.78	.66	.49	16.81
McHenry - Velva	.58	.46	.68	1.52	2.27	3.80	2.78	2.36	1.45	.76	.67	.48	17.81
Pierce - Rugby	.62	.44	.77	1.19	2.08	3.28	2.68	2.61	1.51	.86	.60	.58	17.22
Rolette - Rolla	.58	.40	.81	1.19	2.21	3.69	3.08	3.00	1.62	.88	.63	.52	18.61
Rolette - San Haven	.46	.35	.62	.96	2.12	3.26	2.80	2.81	1.47	.82	.43	.37	16.47
North Central District (2)	.53	.39	.70	1.23	2.18	3.52	2.56	2.49	1.54	.83	.56	.45	16.98

TABLE 3.11--*Continued*

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Cavalier - Hannah	.53	.43	.80	1.10	2.44	3.42	3.07	2.93	2.00	1.06	.68	.49	18.95
Cavailer - Langdon Exp. Farm	.76	.48	.97	1.35	2.45	3.05	2.98	2.80	2.13	1.22	.85	.66	19.70
Grand Forks - Grand Forks UND	.64	.46	.90	1.52	2.36	4.04	3.24	3.10	2.43	1.09	.86	.63	21.27
Grand Forks - Larimore	.56	.45	.91	1.41	2.22	3.49	2.67	2.51	2.36	1.08	.78	.59	19.03
Nelson - Petersburg	.52	.39	.72	1.21	2.16	3.56	2.69	2.56	2.18	1.16	.62	.47	18.24
Pembina - Cavalier	.58	.39	.94	1.66	2.42	3.33	3.04	2.62	2.42	1.21	.87	.65	20.13
Pembina - Pembina	.49	.37	.75	1.24	2.45	3.13	3.31	2.75	2.54	1.23	.67	.50	19.43
Ramsey - Devils Lake KDLR	.56	.40	.86	1.11	2.27	3.39	2.28	2.11	2.07	.90	.64	.56	17.15
Ramsey - Edmore	.45	.31	.61	1.26	2.08	3.11	2.71	2.40	2.05	1.09	.49	.34	16.90
Towner - Bisbee	.75	.54	.90	1.22	2.17	3.20	2.87	2.79	1.60	.91	.67	.71	18.33
Towner - Hansboro	.34	.21	.55	.89	2.17	3.11	2.66	2.78	1.55	.79	.42	.34	15.81
Walsh - Grafton	.70	.45	.92	1.54	2.09	3.57	2.95	2.68	2.41	1.16	.81	.63	19.91
Walsh - Park River	.46	.32	.73	1.51	2.18	3.59	2.74	2.22	2.26	1.12	.66	.43	18.22
Northeast District (3)	.57	.41	.82	1.29	2.24	3.41	2.87	2.70	2.15	1.07	.70	.54	18.77
Dunn - Dunn Center	.45	.43	.58	1.43	2.16	4.32	2.37	2.13	1.45	.80	.50	.34	16.96
McKenzie - Watford City	.58	.53	.71	1.43	2.05	3.74	2.18	1.81	1.36	.81	.61	.46	16.27
McLean - Garrison	.54	.53	.69	1.49	2.00	3.55	2.17	1.88	1.39	.63	.54	.45	15.86
McLean - Max	.46	.51	.71	1.54	2.31	4.04	2.56	2.33	1.49	.70	.64	.38	17.67
McLean - Raub	.39	.36	.42	1.32	1.94	3.55	2.54	1.68	1.27	.58	.44	.31	14.80
McLean - Turtle Lake	.57	.43	.78	1.63	2.09	3.91	2.39	2.12	1.57	.77	.51	.45	17.22
McLean - Washburn	.44	.48	.74	1.74	2.38	4.11	2.62	2.10	1.65	.85	.55	.35	18.01
Oliver - Center	.53	.58	.85	1.54	2.42	3.55	2.59	2.05	1.65	.85	.74	.48	17.83
West Central District (4)	.50	.45	.65	1.48	2.23	3.92	2.42	2.07	1.48	.75	.56	.40	16.90
Foster - Carrington	.59	.50	.78	1.51	2.61	3.87	2.81	2.23	1.85	1.00	.61	.45	18.81
Foster - McHenry	.46	.37	.71	1.25	2.24	3.47	2.67	2.44	2.01	1.09	.53	.46	17.70
Kidder - Pettibone	.42	.40	.68	1.48	2.56	3.39	2.71	2.32	1.93	.97	.52	.41	17.79
Kidder - Steele	.52	.46	.64	1.50	2.63	3.90	2.44	2.14	1.86	1.01	.57	.44	18.11
Sheridan - McClusky	.59	.47	.85	1.45	2.33	4.04	2.30	2.04	1.64	.84	.61	.52	17.68
Stutsman - Courtenay	.57	.41	.84	1.33	2.25	3.55	2.99	2.53	2.01	.96	.57	.56	18.57

TABLE 3.11--*Continued*

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Stutsman - Jamestown FAA AP	.61	.57	.82	1.56	2.45	3.61	3.11	2.26	1.73	.95	.58	.53	18.78
Stutsman - Kensal Wildlife Refuge	.36	.33	.58	1.44	2.61	3.45	2.92	2.73	1.87	1.12	.55	.43	18.39
Walls - Fessenden	.59	.53	.79	1.41	2.40	3.50	2.65	2.20	1.81	.98	.63	.56	18.05
Wells - Harvey	.40	.35	.80	1.39	2.43	3.73	2.78	2.06	1.71	.89	.61	.37	17.52
Central District (5)	.50	.45	.73	1.45	2.47	3.64	2.75	2.28	1.83	.99	.56	.46	18.12
Barnes - Valley City	.50	.47	.81	1.72	2.35	3.50	2.99	2.73	1.99	1.13	.69	.58	19.46
Cass - Fargo	.50	.44	.83	2.08	2.29	3.20	3.16	2.85	1.84	1.09	.72	.62	19.62
Griggs - Cooperstown	.44	.35	.68	1.42	2.56	3.83	3.19	2.63	2.45	1.08	.64	.55	19.82
Steele - Sharon	.50	.38	.83	1.65	2.70	3.61	2.96	2.77	2.39	1.14	.68	.51	20.12
Traill - Hillsboro	.47	.44	.81	1.76	2.38	4.01	3.36	2.80	2.30	1.19	.70	.56	20.78
Traill - Mayville	.59	.47	.74	1.45	2.43	3.70	2.52	2.77	2.24	1.03	.69	.58	19.21
East Central District (6)	.49	.41	.78	1.70	2.50	3.70	3.01	2.75	2.19	1.12	.68	.56	19.88
Adams - Hettinger	.38	.37	.56	1.50	2.64	4.08	2.00	1.84	1.30	.70	.44	.24	16.05
Bowman - Bowman Court House	.35	.34	.49	1.33	2.26	3.82	2.22	1.78	1.37	.65	.43	.28	15.32
Golden Valley - Sentinel Butte	.38	.33	.43	1.43	1.93	3.75	2.07	1.54	1.27	.68	.50	.24	14.55
Hettinger - Mott	.42	.35	.61	1.37	2.38	3.92	1.93	1.66	1.38	.55	.51	.31	15.39
Hettinger - New England	.50	.57	.87	1.62	2.50	4.21	2.40	1.85	1.42	.62	.60	.39	17.55
Slope - Amidon	.42	.35	.54	1.44	2.27	4.34	2.40	1.78	1.31	.71	.50	.35	16.41
Slope - Marmarth	.45	.45	.56	1.23	2.07	3.76	2.02	1.71	1.12	.74	.49	.37	14.97
Stark - Dickinson Exp. Station	.41	.41	.66	1.51	2.51	4.01	2.29	1.86	1.37	.72	.51	.30	16.56
Stark - Richardson Abbey	.55	.55	.88	1.61	2.72	4.21	2.34	1.97	1.35	.71	.72	.41	18.02
Southwest District (7)	.46	.42	.65	1.41	2.33	3.97	2.19	1.82	1.33	.75	.53	.34	16.19
Burleigh - Bismarck WSO	.51	.44	.73	1.44	2.17	3.58	2.20	1.96	1.32	.80	.56	.45	16.16
Emmons - Linton	.52	.47	.77	1.75	2.56	4.05	2.53	2.02	1.71	1.03	.60	.47	18.48
Grant - Carson	.45	.46	.78	1.59	2.66	3.95	2.40	1.86	1.49	.82	.52	.33	17.31

TABLE 3.12

MEAN NUMBER OF DAYS PER YEAR WITH PRECIPITATION OVER ONE-HALF INCH FOR REPRESENTATIVE NORTH DAKOTA STATIONS

Station	Days Per Year	Station	Days Per Year
Adams 7 S	11	Flasher	8
Alexander	7	Flaxton	8
Almont 7 SW	10	Forbes 13 NW	12
Ambrose 3 N	7	Forman	12
Amenia	10	Fort Yates	7
Amidon	6	Foxholm 7 N	6
Arvilla State Park	10	Fullerton	14
Ashley	11	Gackle	11
Balta	6	Garrison	8
Bantry	8	Glen Ullin 13 N	8
Beach	5	Golden Valley 10 S	7
Belcourt Indian Res.	9	Grafton	9
Belfield	10	Grand Forks FAA Airport	10
Berthold	8	Grand Forks University	12
Beulah	7	Granville	8
Bisbee	8	Grassy Butte 10 N	9
Bismarck WB Airport	9	Grenora	6
Bismarck 12 ENE	9	Hague	10
Bottineau	7	Halliday	8
Bowbells	7	Hankinson RR Station	12
Bowman Court House	7	Hannah	9
Bowman 13 SE	7	Hansboro	7
Bowman 30 NNW	6	Harvey	10
Burt 16 N	9	Hettinger	8
Butte	7	Hillsboro	11
Carrington	11	Jamestown FAA Airport	11
Carson No. 2	9	Jamestown State Hosp.	12
Cavalier	10	Keene 2 S	7
Center	10	Kenmare	7
Colgate	8	Kensal Wildlife Refuge	10
Columbus	7	Killdeer 7 NW	9
Cooperstown	11	Kulm	12
Courtenay	10	Langdon Exp. Farm	11
Crosby	8	Lansford	6
Devils Lake WB City	9	Larimore	11
Dickinson FAA Airport	7	Leeds	9
Dickinson Exp. Station	9	Lefor 10 E	9
Donnybrook	8	Linton	10
Drake	8	Lisbon	12
Dunn Center 2 SW	7	Lotchville	11
Eckman 2 SE	7	Lostwood 12 N	8
Edgeley Exp. Farm	11	Maddock Agri. School	8
Edmore 1 N	8	Mandan Exp. Station	8
Elgin 5 S	7	Mandan Ft. Lincoln Park	9
Ellendale	11	Marmarth	6
Enderlin	13	Martin	9
Epping	6	Max	11
Fairfield	8	Mayville	9
Fargo WB Airport	12	McClusky	9
Fessenden	8	McHenry 5 N	9

TABLE 3.12--*Continued*

Station	Days Per Year	Station	Days Per Year
McLeod 3 E	12	Towner	8
McVille	9	Trotters 6 SE	7
Medina	8	Turtle Lake	8
Medora 3 NNE	7	Tuttle	9
Medora 22 NNW	6	Underwood 4 ESE	9
Minot FAA Airport	9	Upham 3 N	7
Minot Exp. Station	8	Valley City	11
Moffit 4 SE	8	Velva	9
Mohall	9	Verona	11
Montpelier	13	Wahpeton	13
Mott	7	Walhalla	12
Munich 4 SW	8	Warwick	12
Napoleon	9	Washburn	8
New England	8	Watauga S Dakota 8 N	10
New Rockford 7 WNW	9	Watford City	7
New Salem 1 SE	9	Watford City 14 S	9
Newtown	7	Westhope	7
Nooman	8	Wildrose	8
Nortonville	13	Williston WB City	6
Oakes	10	Willow City	7
Park River	10	Wilton	11
Parshall	6	Wishek	9
Pembina	10	Woodworth	11
Petersburg	9	Zahl	7
Pettibone	9		
Pingree	9		
Portal	7		
Powers Lake 1 N	6		
Petty Rock	8		
Raub 10 SSW	8		
Reeder	8		
Reeder 14 N	7		
Richardton Abbey	7		
Riverdale	10		
Rolla	9		
Rugby	8		
Ryder	6		
San Haven	9		
Scranton	9		
Selfridge 5 W	11		
Sentinel Butte 20 S	7		
Sharon	11		
Sherwood 3 N	8		
Shields	9		
Stanley	7		
Steele	10		
Sykeston	8		
Tagus	8		
Tioga 1 E	6		
Tolley	9		

SOURCE: U.S. Dept. of Commerce, Weather Bureau, North Dakota, Climatic Summary of the United States, Supplement for 1951 through 1960, 1965.

TABLE 3.13

TOTAL ANNUAL SNOWFALL IN INCHES FOR REPRESENTATIVE NORTH DAKOTA STATIONS

Station	Snowfall (Inches)	Station	Snowfall (Inches)
Almont	35.8	Richardton Abbey	38.1
Amenia	28.5	Riverdale	29.3
Ashley	31.8	Sharon	33.7
Beach	30.2	Stanley	37.4
Belcourt Indian Res.	31.5	Velva	38.5
Bismarck WB Airport	37.7	Watford City	38.9
Bottineau	27.9	Williston WB City	33.1
Bowbells	30.5	Willow City	31.5
Cavalier	39.4		
Center	37.4		
Crosby	29.6		
Devils Lake WB City	35.7		
Dickinson FAA Airport	30.9		
Dunn Center 2 SW	31.3		
Ellendale	33.2		
Fairfield	29.4		
Fargo WB Airport	32.0		
Grand Forks FAA Airport	39.7		
Granville	33.4		
Hannah	34.9		
Jamestown FAA Airport	35.6		
Kensal Wildlife Refuge	29.8		
Langdon Exp. Farm	39.5		
Leeds	40.5		
Lisbon	31.8		
Marmarth	39.5		
Max	33.2		
Mayville	30.3		
McClusky	33.6		
McHenry 5 N	27.8		
Minot FAA Airport	39.2		
Mohall	30.1		
Mott	29.4		
Munich 4 SW	48.8		
Napoleon	32.1		
Park River	33.8		
Parshall	23.7		
Petersburg	26.7		
Pettibone	33.4		
Petty-Rock	41.9		

SOURCE: U.S. Dept. of Commerce, Weather Bureau, North Dakota, Climatic Summary of the United States, Supplement for 1951 through 1960, 1965.

TABLE 3.14

MONTHLY AND ANNUAL HEATING-DEGREE DAY NORMALS FOR SELECTED REPRESENTATIVE NORTH DAKOTA STATIONS*

Station	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Ashley	30	45	269	577	1,092	1,544	1,761
Bismarck WSB	18	35	252	564	1,083	1,531	1,761
Bottineau	46	75	328	663	1,236	1,724	1,962
Bowbells	43	85	346	663	1,188	1,640	1,872
Bowman Court House	27	39	270	567	1,041	1,389	1,578
Carrington	33	55	312	608	1,155	1,634	1,851
Cooperstown	19	52	261	583	1,119	1,631	1,848
Crosby	33	67	314	632	1,164	1,609	1,838
Devils Lake KDLR	22	56	291	614	1,167	1,668	1,885
Dickinson FAA Airport	29	41	274	586	1,074	1,442	1,640
Fargo WSB	13	33	234	558	1,092	1,612	1,832
Grand Forks FAA Airport	29	51	275	611	1,143	1,680	1,907
Jamestown FAA Airport	21	39	272	589	1,116	1,593	1,810
Langdon Exp. Farm	41	84	326	654	1,224	1,745	1,975
McClusky	19	34	267	583	1,122	1,581	1,804
New Town	38	66	298	605	1,119	1,556	1,78
Pembina 1 S	26	61	286	617	1,182	1,736	1,984
Valley City	17	38	246	558	1,083	1,569	1,78
Velva	22	50	272	577	1,110	1,562	1,77
Wahpeton	10	20	191	490	1,026	1,531	1,74
Williston WSB	22	35	274	598	1,107	1,538	1,75

Station	Feb.	March	April	May	June	Annual
Ashley	1,470	1,268	705	373	140	9,274
Bismarck WSB	1,442	1,237	660	339	122	9,044
Bottineau	1,630	1,420	777	421	157	10,439
Bowbells	1,551	1,392	780	435	177	10,172
Bowman Court House	1,294	1,184	690	372	159	8,610
Carrington	1,551	1,345	765	415	149	9,873
Cooperstown	1,526	1,283	702	354	125	9,503
Crosby	1,504	1,339	741	399	172	9,812
Devils Lake KDLR	1,565	1,345	747	396	134	9,890
Dickinson FAA Airport	1,350	1,231	714	394	167	8,942
Fargo WSB	1,520	1,265	681	334	97	9,271
Grand Forks FAA Airport	1,590	1,339	735	382	134	9,876
Jamestown FAA Airport	1,492	1,274	711	378	127	9,422
Langdon Exp. Farm	1,632	1,411	795	431	163	10,481
McClusky	1,487	1,299	711	367	132	9,406
New Town	1,467	1,290	714	389	158	9,482
Pembina 1 S	1,649	1,401	759	394	140	10,235
Valley City	1,459	1,228	669	323	102	9,075
Velva	1,456	1,262	681	346	122	9,236
Wahpeton	1,442	1,194	624	277	71	8,621
Williston WSB	1,422	1,249	678	345	135	9,161

SOURCE: Monthly Normals of Temperature, Precipitation, and Heating and Cooling-Degree Days, 1941-1970; National Climatic Center, 1973.

* A heating-degree day is the amount which the average temperature of the day falls below 65°F. An average daily temperature above 65°F results in zero degree days. Degree days for any length of time are the sum of the degree days in that period.

TABLE 3.15

MONTHLY AND ANNUAL COOLING-DEGREE DAY NORMALS FOR SELECTED REPRESENTATIVE NORTH DAKOTA STATIONS*

Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ashley	0	0	0	0	7	65	151	132	20	0	0	0	375
Bismarck WSB	0	0	0	0	11	86	198	165	27	0	0	0	487
Bottineau	0	0	0	0	6	46	120	109	13	0	0	0	294
Bowbells	0	0	0	0	0	39	108	97	16	0	0	0	260
Bowman Court House	0	0	0	0	10	66	179	157	36	0	0	0	448
Carrington	0	0	0	0	6	53	135	104	12	0	0	0	310
Cooperstown	0	0	0	0	7	77	159	157	21	0	0	0	421
Crosby	0	0	0	0	5	52	129	110	17	0	0	0	313
Devils Lake KDLR	0	0	0	0	5	59	143	128	15	0	0	0	350
Dickinson FAA Airport	0	0	0	0	7	62	162	140	22	6	0	0	399
Fargo WSB	0	0	0	0	11	88	190	163	21	0	0	0	473
Grand Forks FAA Airport	0	0	0	0	10	80	157	126	11	0	0	0	384
Jamestown FAA Airport	0	0	0	0	6	67	154	132	17	0	0	0	376
Langdon Exp. Farm	0	0	0	0	6	43	94	93	11	0	0	0	247
McClusky	0	0	0	0	10	66	168	143	24	0	0	0	411
New Town	0	0	0	0	8	59	152	137	28	0	0	0	384
Pembina 1 S	0	0	0	0	13	74	138	120	16	0	0	0	361
Valley City	0	0	0	0	13	81	175	152	21	0	0	0	442
Velva	0	0	0	0	8	65	155	127	17	0	0	0	372
Wahpeton	0	0	0	0	17	107	217	194	32	0	0	0	567
Williston WSB	0	0	0	0	7	66	180	144	25	0	0	0	422

SOURCE: Monthly Normals of Temperature, Precipitation, and Heating and Cooling-Degree Days, 1941-1970; National Climatic Center, 1973.

* A cooling degree day is the amount which the average temperature of the day lies above 65°F. An average daily temperature below 65°F results in zero degree days. Degree days for any length of time are the sum of the degree days in that period.

THE ECONOMY

Income and Wealth
Labor Force, Employment, and Earnings
Transportation
Communications
Agriculture
Energy and Related Mineral Activities
Construction and Housing
Banking, Finance and Insurance
Manufacturing

TABLE 3.11--*Continued*

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Morton - Mandan Exp. Station	.42	.39	.67	1.42	2.24	4.02	2.23	2.20	1.52	.82	.53	.31	16.77
Morton - New Salem	.47	.49	.74	1.43	2.29	3.77	2.25	2.23	1.48	.69	.47	.34	16.65
Sioux - Fort Yates	.37	.42	.72	1.44	2.39	3.25	2.03	1.79	1.50	1.01	.44	.31	15.67
South Central District (8)	.44	.44	.71	1.47	2.43	3.87	2.25	2.02	1.50	.84	.52	.36	16.85
Dickey - Ellendale	.57	.66	.87	2.18	2.95	4.18	3.00	2.45	1.87	1.18	.72	.50	21.13
Dickey - Fullerton	.64	.71	.92	2.22	2.96	4.10	2.72	2.48	1.77	1.23	.79	.55	21.09
Dickey - Oakes	.55	.67	.88	2.14	2.76	3.82	2.67	2.40	1.90	1.16	.75	.54	20.24
La Moure - Edgeley	.42	.49	.79	1.69	2.71	3.63	2.92	2.35	1.80	.98	.59	.37	18.74
Logan - Napoleon	.49	.37	.81	1.40	2.62	3.50	2.97	2.25	1.69	1.00	.55	.37	18.02
McIntosh - Ashley	.45	.44	.66	1.40	2.58	3.77	2.98	2.43	1.62	.90	.42	.31	17.96
McIntosh - Wishek	.46	.42	.77	1.53	2.64	3.64	2.83	2.14	1.58	.86	.49	.40	17.78
Ransom - Lisbon	.42	.51	.80	2.11	2.59	3.64	3.09	2.91	1.76	1.16	.67	.53	20.19
Ransom - McLeod	.45	.46	.81	1.77	2.57	3.44	3.05	2.80	1.84	1.12	.72	.53	19.56
Richland - Henkinson RR St.	.44	.56	.82	2.13	2.62	4.24	2.65	2.47	1.96	1.10	.67	.61	20.27
Richland - Wahpeton	.55	.52	.80	2.25	2.82	4.27	3.25	2.93	2.02	1.16	.79	.65	22.01
Sargent - Forman	.51	.56	.82	2.11	2.90	3.99	3.26	2.39	1.88	1.14	.71	.50	20.77
Southeast District (9)	.48	.53	.83	1.94	2.76	3.88	2.99	2.52	1.85	1.10	.66	.48	20.00
NORTH DAKOTA	.49	.44	.71	1.47	2.35	3.72	2.58	2.30	1.70	.92	.59	.44	17.71

SOURCE: North Dakota Crop and Livestock Statistics, 1977 Annual Summary.

TABLE 3.16

AVERAGE LENGTH OF GROWING SEASON,* SELECTED STATIONS IN NORTH DAKOTA AT TEMPERATURES OF 28° F AND 32° F OR ABOVE

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
		(Date)	(Date)	(Date)	(Date)	(Days)	(Days)	(Year)
Northwest District								
Crosby	Divide	May 10	May 18	Sept. 16	Sept. 23	120	137	63
Minot Exp.	Ward	May 12	May 20	Sept. 17	Sept. 26	119	137	69
Mohall	Renville	May 11	May 18	Sept. 16	Sept. 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept. 12	Sept. 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept. 11	Sept. 23	111	133	41
Williston	Williams	May 4	May 13	Sept. 22	Sept. 28	132	146	78
North Central District								
Bottineau	Bottineau	May 15	May 21	Sept. 15	Sept. 23	116	130	70
Granville	McHenry	May 13	May 19	Sept. 15	Sept. 25	119	134	65
Maddock	Benson	May 15	May 23	Sept. 13	Sept. 21	113	129	53
Towner	McHenry	May 14	May 21	Sept. 12	Sept. 21	114	129	54
Northeast District								
Grafton	Walsh	May 9	May 18	Sept. 19	Sept. 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept. 23	Sept. 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept. 11	Sept. 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept. 13	Sept. 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept. 17	Sept. 25	119	135	70
West Central District								
Dunn Center	Dunn	May 12	May 17	Sept. 18	Sept. 27	122	137	50
Garrison	McLean	May 8	May 18	Sept. 19	Sept. 25	124	139	62
Watford City	McKenzie	May 7	May 13	Sept. 19	Sept. 27	127	141	34

TABLE 3.16--*Continued*

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
		(Date)	(Date)	(Date)	(Date)	(Days)	(Days)	(Year)
Central District								
Fessenden	Wells	May 8	May 17	Sept. 18	Sept. 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept. 20	Sept. 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept. 18	Sept. 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept. 12	Sept. 17	111	124	46
East Central District								
Amenia	Cass	May 6	May 15	Sept. 23	Sept. 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept. 19	Sept. 26	121	138	49
Fargo	Cass	May 4	May 12	Sept. 26	Oct. 2	137	151	66
Mayville	Traill	May 8	May 17	Sept. 24	Oct. 2	129	147	57
Southwest District								
Beach	Golden Valley	May 12	May 20	Sept. 18	Sept. 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept. 21	Sept. 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept. 14	Sept. 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept. 20	Sept. 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept. 15	Sept. 23	122	136	43
South Central District								
Carson #2	Grant	May 11	May 19	Sept. 15	Sept. 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept. 23	Sept. 28	133	144	59
Southeast District								
Edgeley Exp.	La Moure	May 11	May 18	Sept. 19	Sept. 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept. 20	Sept. 27	123	139	64
Napoleon	Logan	May 14	May 21	Sept. 16	Sept. 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept. 23	Oct. 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept. 25	Oct. 3	136	151	65

SOURCE: North Dakota Crop and Livestock Statistics, 1977 Annual Summary.

* Number of years in average varies by reporting station.

4.00

INCOME AND WEALTH

Income statistics are among the most widely used measures of a community's well-being. This section contains various income measures for the state and counties of North Dakota expressed in terms of total and per capital amounts, type, and industrial source. The U.S. Department of Commerce through its Bureau of Economic Analysis (BEA) is the primary source of income estimates reported here. A detailed description of the rather complex estimating procedure used by BEA can be found in the agency's publication, *Local Area Personal Income, 1970-75*. Data in this section were obtained from the BEA's Regional Economic Information System computer printouts.

Income data from BEA is supplemented in this section with data on individual income tax returns provided by the Internal Revenue Service in its *Individual Income Tax Returns* series, and by the North Dakota Tax Department from unpublished sources. Tax data are subject to many limitations and should be interpreted with great caution.

Wealth is defined as all property that has an exchangeable value. It is measured as a stock at a moment of time in contrast to income which is measured as a flow of value over a period of time. There are no estimates made on a regular basis of the total wealth of individuals and organizations. There are, however, indicators which may be used to assess broadly the wealth of the commuity. Among these is information available from federal inheritance tax returns, included in this section. Wealth represented by ownership of real property, estimated by its value assessed for tax purposes, is reported in the section on Government Finances. Assets of and deposits in banks and other financial institutions, another measure of wealth, are reported in the section on Banking, Finance, and Insurance.

Observation of income as a measure of community well-being is not complete without consideration being given to how the income is distributed among individuals. Unfortunately, distributional measures on a state and county level are available only from the 1970 Census. Current estimates of national and regional income distributions are provided by the Census Bureau in its *Consumer Income* series, however, and these are included here. Also included in this section are recent data on the incidence of poverty among North Dakota families, derived from Bureau of the Census Current Population Survey data.

Gross National Product is a measure of the market value of all final goods and services produced in our national economy during a year. As such, it is widely used as a summary indicator of our overall economic health. An analogous measure exists at the state level, Gross State Product, which measures the market value of all final goods and services produced during a year in a particular state. Estimates of North Dakota Gross State Product by sector have been made by the Bureau of Business and Economic Research at the University of North Dakota as a gauge of the extent and sources of economic growth over the past several years. Both current dollar and inflation adjusted estimates of Gross State Product are provided.

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TABLE 4.03

NORTH DAKOTA INCOME BY INDUSTRIAL SOURCE, SELECTED YEARS, 1930-1970 (Millions of Dollars)

Industry	1930	1940	1950	1960	1970
Farm	$ 32	$ 25	$ 37	$ 34	$ 281
Non-Farm	91	92	290	528	1,240
Mining	1	1	3	9	15
Lignite	1	1	2	2	4
Oil & Gas	L	L	L	7	10
Metals & Minerals	L	L	L	1	D
Construction	3	2	27	53	111
Manufacturing	7	6	17	26	76
Wholesale & Retail Trade	28	24	89	138	296
Finance, Insurance & Real Estate	5	4	9	24	58
Banking & Finance	3	2	5	12	29
Insurance & Real Estate	2	1	5	12	29
Transportation & Public Utilities	17	14	48	71	118
Railroads	13	10	31	36	36
Trucking & Warehousing	L	1	3	9	21
Other	1	L	2	3	6
Communications	2	2	6	13	29
Electric, Gas & Other Utilities	2	2	6	10	26
Services	12	10	30	64	191
Hotels & Lodging	1	1	2	4	10
Personal Services & Private Households	4	3	7	9	25
Business & Repair Services	1	1	1	4	18
Amusement & Recreation	1	1	2	2	4
Professional, Social & Related	5	4	18	45	133
Government	18	32	67	144	368
Federal Civilian	6	18	24	30	80
Federal Military	L	L	2	24	95
State & Local	13	13	41	89	194
Other Industries	L	L	L	1	5

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August, various years, and *Regional Economics Information System*; and Office of Business Economics, *Personal Income by State Since 1929*.

L Less than $500,000.

D Not shown to avoid disclosure of confidential information.

TABLE 4.01

NOMINAL* NORTH DAKOTA GROSS STATE PRODUCT, 1963-1977
(Millions Current Dollars)

Sector	1963	1964	1965	1966	1967	1968	1969	1970
Agriculture	$ 391.0	$ 295.2	$ 442.7	$ 396.3	$ 386.6	$ 363.2	$ 459.6	$ 373.4
Agricultural Services	4.2	4.2	4.2	4.5	4.7	4.8	6.2	6.2
Coal Mining	2.9	3.2	3.3	3.9	4.5	4.5	4.9	6.2
Petroleum-Gas Mining	42.3	40.5	40.6	43.5	41.1	41.3	39.1	41.3
Other Mining	5.4	6.0	5.1	6.7	6.2	6.3	4.8	4.1
Construction	93.5	119.2	112.0	97.5	93.6	91.5	97.9	131.4
Manufacturing	63.0	62.3	84.7	87.8	95.9	123.8	212.4	158.6
Transportation	70.6	71.2	77.1	82.1	80.3	80.4	82.2	87.6
Communications & Public Utilities	80.7	81.6	91.6	99.1	107.3	115.9	123.5	127.7
Wholesale Trade	114.3	120.1	138.2	146.0	152.1	160.4	165.4	178.5
Retail Trade	193.2	203.7	204.1	220.2	228.4	246.0	264.4	278.2
Finance, Insurance, Real Estate	165.9	173.5	190.3	201.1	213.6	215.5	222.1	240.5
Business Services	31.6	34.0	37.8	42.1	43.5	48.0	53.7	56.4
Professional Services	97.2	101.8	106.5	117.9	126.8	135.2	148.7	161.2
Government	227.7	249.0	275.3	295.3	340.8	361.2	383.4	427.7
Gross State Product	$1,583.5	$1,565.5	$1,813.5	$1,844.0	$1,925.4	$1,998.0	$2,177.3	$2,279.0

TABLE 4.01--*Continued*

Sector	1971	1972	1973	1974	1975	1976	1977
Agriculture	$ 525.9	$ 698.1	$1,756.9	$1,445.2	$1,251.1	$ 925.0	$ 582.9
Agricultural Services	6.4	6.5	7.9	8.8	10.3	14.9	15.0
Coal Mining	6.5	7.5	8.0	11.9	15.0	23.3	27.5
Petroleum-Gas Mining	43.3	41.4	47.8	71.9	88.0	102.6	116.3
Other Mining	6.2	6.1	6.9	6.9	99.4	11.3	12.1
Construction	150.5	177.5	169.9	197.3	253.6	312.8	349.3
Manufacturing	156.8	164.6	264.1	260.7	254.9	252.1	248.4
Transportation	95.9	107.0	123.4	135.0	151.1	166.4	185.8
Communications & Public Utilities	140.0	152.9	160.4	185.9	250.4	290.8	326.8
Wholesale Trade	195.7	226.3	289.5	322.4	411.7	454.8	484.4
Retail Trade	303.2	316.0	351.6	399.2	427.4	490.9	540.4
Finance, Insurance, Real Estate	262.9	279.8	302.5	337.0	424.1	479.4	545.8
Business Services	59.7	66.2	79.6	89.9	97.4	124.0	136.6
Professional Services	167.0	186.6	206.0	238.0	288.9	319.8	368.4
Government	464.7	518.3	551.1	579.3	672.7	702.8	750.6
Gross State Product	$2,584.7	$2,954.8	$4,325.6	$4,289.4	$4,606.3	$4,670.9	$4,690.1

SOURCE: Bureau of Business and Economic Research, University of North Dakota, North Dakota Gross State Product, 1963-1977.

* Measured in current dollars.

TABLE 4.02

REAL* NORTH DAKOTA GROSS STATE PRODUCT, 1963-1977
(Million $1972)

Sector	1963	1964	1965	1966	1967	1968	1969	1970
Agriculture	$ 426.0	$ 551.3	$ 551.3	$ 461.3	$ 450.3	$ 444.7	$ 531.1	$ 425.3
Agricultural Services	6.2	6.3	5.9	5.6	6.4	6.2	7.5	7.4
Coal Mining	2.7	3.0	3.1	4.0	4.7	5.1	5.3	6.4
Petroleum-Gas Mining	50.7	53.3	52.9	55.7	51.6	51.0	45.7	44.5
Other Mining	6.1	7.0	5.9	8.0	7.6	7.4	5.6	[illegible]
Construction	176.1	219.5	190.8	157.0	135.7	125.2	120.7	150.7
Manufacturing	73.1	71.6	97.1	98.8	105.0	132.5	226.9	163.2
Transportation	89.8	88.9	96.9	103.8	99.9	98.4	98.2	97.7
Communications & Public Utilities	87.2	87.5	99.8	108.4	117.0	126.3	133.5	137.5
Wholesale Trade	144.7	152.2	171.7	176.3	181.5	187.4	181.2	188.1
Retail Trade	265.7	273.8	274.0	290.1	283.0	288.4	293.1	294.4
Finance, Insurance, Real Estate	240.8	244.0	263.9	269.2	280.3	271.8	257.1	262.3
Business Services	49.6	51.4	55.4	59.0	58.1	60.8	63.4	62.7
Professional Services	170.5	170.8	170.7	181.1	182.4	180.3	182.9	184.7
Government	398.1	419.9	444.7	454.3	499.0	491.4	490.9	495.6
Gross State Product	$2,187.3	$2,484.1	$2,484.1	$2,432.6	$2,462.5	$2,476.9	$2,643.1	$2,525.0

TABLE 4.02--*Continued*

Sector	1971	1972	1973	1974	1975	1976	1977
Agriculture	$ 584.3	$ 698.1	$1,015.7	$ 427.2	$ 721.5	$ 565.6	$ 444.6
Agricultural Services	7.6	6.5	7.4	7.3	8.2	10.7	10.1
Coal Mining	6.9	7.5	7.8	9.6	9.5	12.6	13.9
Petroleum-Gas Mining	43.5	41.4	40.5	41.5	41.7	43.5	46.4
Other Mining	6.9	6.1	6.2	4.1	4.9	5.1	4.8
Construction	161.8	177.5	153.3	163.3	186.6	225.9	236.8
Manufacturing	159.2	164.6	256.9	227.5	201.7	289.7	177.3
Transportation	99.8	107.0	121.8	122.8	127.6	130.8	136.4
Communications & Public Utilities	144.9	152.9	176.7	193.0	237.8	229.4	244.8
Wholesale Trade	198.5	226.3	265.4	254.5	305.0	324.6	335.5
Retail Trade	304.4	316.0	341.0	355.8	337.9	368.9	380.9
Finance, Insurance, Real Estate	268.5	279.8	294.0	312.3	364.7	393.7	425.7
Business Services	62.6	66.2	76.5	78.5	76.1	90.4	92.8
Professional Services	178.0	186.6	195.8	193.7	210.4	215.0	228.6
Government	493.8	518.3	520.4	509.9	544.7	528.8	528.6
Gross State Product	$2,720.7	$2,954.8	$3,479.4	$2,901.0	$3,076.8	$3,334.7	$3,306.9

SOURCE: Bureau of Business and Economic Research, University of North Dakota, North Dakota Gross State Product, 1963-1977.

* Measured in constant 1972 dollars.

TABLE 4.06

PERCENTAGE DISTRIBUTION OF NORTH DAKOTA INCOME BY INDUSTRIAL SOURCE, SELECTED YEARS, 1930-1977

Industry	1930	1940	1950	1960	1970	1971
Farm	26.02%	21.37%	11.31%	6.05%	18.49%	23.05%
Non-Farm	73.98	78.63	88.69	93.95	81.51	76.95
Mining	.81	.85	.92	1.60	1.01	.71
Construction	2.44	1.71	8.26	9.43	7.31	7.25
Manufacturing	5.69	5.13	5.20	4.63	5.02	4.73
Transportation & Pub. Utilities	13.82	11.97	14.68	12.63	7.77	7.41
Wholesale and Retail Trade	22.76	20.51	27.22	24.56	19.48	18.11
Finances, Ins. and Real Estate	4.07	3.42	2.75	4.27	3.81	3.75
Services	9.76	8.55	9.17	11.39	12.52	11.37
Other Industries	*	*	*	.18	.36	.36
Government	14.63	27.35	20.49	25.62	24.22	23.27

Industry	1972	1973	1974	1975	1976	1977
Farm	29.87%	48.36%	36.79%	26.36%	18.15%	6.32%
Non-Farm	70.13	51.64	63.21	73.63	81.85	93.68
Mining	.74	.50	.94	1.77	2.34	2.36
Construction	7.12	4.48	5.81	8.80	11.67	10.23
Manufacturing	4.21	3.42	4.66	6.77	8.98	6.93
Transportation & Pub. Utilities	6.74	5.05	6.07	7.73	10.25	9.01
Wholesale and Retail Trade	16.19	12.65	15.73	19.61	26.00	21.96
Finances, Ins. and Real Estate	3.37	2.36	2.84	3.96	5.25	4.74
Services	10.52	7.76	9.51	12.74	16.89	14.90
Other Industries	.32	.25	.32	.33	.48	.39
Government	20.91	15.17	17.33	19.94	27.43	23.15

SOURCE: Compiled from U.S. Dept. of Commerce, Bureau of Economic Analysis, Survey of Current Business, August, various years, and Regional Economics Information System; and Office of Business Economics, Personal Income by State Since 1929.

* Negligible percentage.

TABLE 4.04

NORTH DAKOTA INCOME BY INDUSTRIAL SOURCE,
1970-1977 (Thousands of Dollars)

Industy	1970	1971	1972	1973	1974	1975	1976	1977
Farm	$ 281,304	$ 400,885	$ 636,308	$1,542,041	$1,084,499	$ 771,856	$ 400,910	$ 178,605
Non-Farm	1,239,982	1,338,398	1,493,930	1,646,381	1,863,384	2,155,634	1,807,721	1,991,839
Mining	15,439	12,358	15,817	15,814	27,605	35,105	51,701	66,701
Lignite	4,062	4,119	D	4,771	6,540	9,769	13,397	16,788
Oil & Gas	9,642	6,360	9,061	8,479	18,380	21,979	34,405	46,093
Metals & Minerals	1,735	1,879	D	2,564	2,685	3,357	3,899	3,820
Construction	111,276	126,100	151,757	142,740	171,141	212,219	257,760	289,010
Manufacturing	76,338	82,191	89,784	108,904	137,369	184,020	198,292	195,660
Non-Durable	44,361	47,885	48,555	53,515	61,524	71,095	77,543	87,710
Durable	31,977	34,306	41,229	55,389	75,845	112,925	120,749	107,950
Wholesale Trade	99,340	105,816	122,816	159,595	189,566	234,229	258,719	279,713
Retail Trade	196,971	209,094	222,090	243,898	274,246	277,987	315,404	340,591
Finance, Insurance & Real Estate	58,032	65,139	71,714	75,336	83,765	98,309	115,912	133,867
Banking & Finance	28,350	31,951	34,344	35,938	41,259	48,380	55,123	62,713
Insurance & Real Estate	29,682	33,188	37,370	39,398	42,506	49,929	60,789	71,154
Transportation & Public Utilities	118,205	128,905	143,611	161,026	179,024	194,883	226,311	254,519
Railroads	36,118	38,238	46,448	45,335	47,227	47,000	56,339	60,938
Trucking & Warehousing	21,240	23,345	28,787	33,862	37,499	38,888	43,721	49,312
Other	6,035	6,778	6,920	7,620	8,340	9,729	11,545	13,508
Communications	28,682	31,159	34,875	39,211	44,350	51,965	59,213	65,440
Electric, Gas & Other Utilities	26,130	29,385	32,581	34,998	41,608	47,301	55,493	65,321
Services	190,510	197,765	224,123	247,480	280,396	325,527	373,041	420,856
Hotels & Lodging	10,033	10,523	14,928	16,743	19,217	13,951	16,519	18,784
Personal Services	15,647	15,079	15,483	16,264	17,743	19,692	21,604	23,645
Private Households	9,214	9,436	9,751	9,830	10,173	10,573	11,825	13,008

TABLE 4.04--*Continued*

Industry	1970	1971	1972	1973	1974	1975	1976	1977
Business & Repair Services	$ 18,143	$ 19,225	$ 21,950	$ 27,711	$ 31,157	$ 38,911	$ 42,392	$ 45,127
Amusement & Recreation	4,201	4,225	4,260	5,005	4,677	D	6,094	6,631
Professional, Social & Related	133,272	139,277	157,751	171,927	197,429	237,099*	274,607	313,661
Medical & Health	76,252	81,391	93,995	101,320	116,975	149,267	177,256	203,561
Legal	12,577	12,751	14,744	15,701	18,156	21,465	22,596	25,770
Private Education	7,201	7,610	8,455	9,205	10,222	9,140	9,631	10,597
Non-Profit Organizations	25,021	22,383	23,924	25,446	27,819	25,013	26,271	28,408
Other	12,221	15,142	16,633	20,255	24,257	32,214*	38,853	45,325
Government	368,410	404,786	445,328	483,560	510,954	583,630	605,718	653,760
Federal Civilian	79,506	88,426	96,732	104,444	115,865	154,328	136,179	141,789
Federal Military	94,917	104,393	118,749	135,383	139,354	142,537	146,827	147,265
State & Local	193,987	211,967	229,847	243,733	255,735	286,765	322,712	364,706
Other Industries	5,461	6,244	6,890	8,028	9,318	9,725	10,581	10,922

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

D Not shown to avoid disclosure of confidential information.

* Includes estimate for museum income identical to 1974 figure ($6,000).

TABLE 4.05

PERCENTAGE DISTRIBUTION OF INCOME BY INDUSTRIAL SOURCE: THE UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, 1977

Industry	United States	NORTH DAKOTA	South Dakota	Montana	Nebraska	Minnesota	Wyoming
Farm	2.25%	6.32%	17.63%	4.26%	7.77%	8.10%	1.87%
Non-Farm	97.75	93.68	82.37	95.74	92.23	91.90	98.13
Mining	1.56	2.36	1.48	3.95	0.49	1.16	23.45
Construction	5.98	10.23	7.16	8.72	7.68	6.20	12.12
Manufacturing	26.25	6.93	9.57	11.20	15.91	23.90	5.59
Transportation & Public Utilities	7.53	9.01	7.16	10.63	9.74	7.66	9.95
Wholesale & Retail Trade	16.74	21.96	18.73	18.91	19.35	18.18	14.39
Finance, Insurance & Real Estate	5.57	4.74	4.52	4.36	6.45	5.31	3.37
Services	16.63	14.90	13.84	15.06	14.75	14.87	10.67
Other Industries	0.36	0.39	0.36	0.35	0.34	0.30	0.34
Government	17.13	23.15	19.56	22.61	17.51	14.32	18.26

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.07

PERCENTAGE DISTRIBUTION OF INCOME BY INDUSTRIAL SOURCE BY NORTH DAKOTA COUNTY, 1977

County	Farm	Non-Farm								
		Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Government	Other Industries
Adams	1.14%	D%	D%	2.94%	5.59%	33.46%	3.51%	23.42%	19.64%	1.50%
Barnes	6.12	D	11.72	3.86	5.76	30.85	4.11	15.32	21.59	D
Benson	27.24	D	11.86	10.61	4.26	11.83	3.72	11.89	17.73	D
Billings	34.04	30.37	2.45	.00	D	3.01*	D	D	19.86	D
Bottineau	11.55	10.57	7.50	3.62	8.60	22.49	4.15	11.62	19.44	.47
Bowman	6.97	22.58	7.61	1.21	5.77	24.38	4.00	12.88	13.69	.89
Burke	8.10	24.07	4.50	.95	13.28	14.89	5.40	5.93	22.50	.38
Burleigh	2.51	1.08	13.55	6.38	8.78	22.14	4.68	19.43	21.34	.11
Cass	1.27	D	10.24	9.81	9.58	28.00	7.75	18.23	14.87	D
Cavalier	4.52	D	10.03	1.20	15.21	22.02	5.90	17.62	22.31	D
Dickey	5.62	D	6.58	7.94	5.83	26.83	4.94	16.25	25.35	D
Divide	32.86	2.63	3.69	1.64	D	12.89	3.04	10.90	30.31	D
Dunn	42.47	D	4.08	D	2.28	12.36	1.98	D	17.71	.74
Eddy	12.57	3.88	15.86	.94	6.89	20.89	9.87	14.56	13.80	.75
Emmons	12.00	D	9.83	4.51	7.01	21.82	4.81	12.15	27.02	D
Foster	6.53	.40	17.42	2.98	12.55	25.63	5.82	11.39	16.15	1.14
Golden Valley	15.15	4.32	5.72	2.13	9.10	24.39	6.60	15.89	15.81	.89
Grand Forks	-.51	D	8.34	5.80	10.73	18.14	3.58	13.11	40.52	D
Grant	48.73	D	3.72	1.10	2.31	14.26	3.81	8.77	16.30	D
Griggs	1.82	.00	6.29	13.76	5.91	27.39	5.91	12.97	24.87	1.08

TABLE 4.07--*Continued*

County	Farm	Non-Farm								
		Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Government	Other Industries
Hettinger	24.01%	D%	9.44%	1.90%	6.21%	19.76%	4.76%	10.52%	22.38%	D%
Kidder	40.61	D	6.32	1.65	8.77	14.71	3.02	4.60	19.24	.98
La Moure	12.47	.00	7.39	3.55	6.81	30.09	5.56	7.15	26.20	.79
Logan	4.08	D	9.55	2.67	2.07	28.69	6.96	13.96	31.02	D
McHenry	23.75	2.62	9.87	2.86	14.76	15.23	3.07	6.59	20.69	.56
McIntosh	23.64	D	4.05	4.18	4.88	19.31	4.55	19.11	19.39	.78
McKenzie	23.92	22.47	7.95	.55	D D	13.32	2.82	8.88	13.39	D
McLean	16.36	2.90	38.04	.73	5.69	11.71	2.10	7.36	14.41	.71
Mercer	12.16	19.24	13.61	1.04	17.91	20.41	1.90	6.22	7.28	.22
Morton	9.66	.69	12.37	13.93	13.38	17.01	4.07	13.20	15.28	.41
Mountrail	16.60	2.86	5.31	3.60	7.07	18.58	3.58	15.17	26.67	.56
Nelson	-3.23	D	13.01	5.04	11.14	27.80	7.12	15.66	22.72	D
Oliver	25.23	D	44.30	D	D	3.65	.29	1.38	5.61	D
Pembina	-7.92	D	12.35	22.51	7.16	23.41	4.21	15.50	21.15	D
Pierce	22.35	1.15	5.34	5.48	7.79	22.47	4.01	17.27	13.52	.63
Ramsey	13.66	D	7.05	2.08	7.06	30.66	4.53	18.24	16.51	D
Ransom	11.76	D	5.07	16.55	12.77	22.76	4.33	10.28	15.59	.80
Renville	15.14	19.08	8.84	.84	3.54	19.18	2.28	11.95	18.60	.53
Richland	-3.24	D	10.86	19.26	8.73	22.93	5.00	11.76	23.40	D
Rolette	9.09	D	8.15	3.84	2.11	12.21	3.24	22.73	38.20	D

TABLE 4.07--*Continued*

County	Farm	Non-Farm								
		Mining	Con-struction	Manu-facturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Govern-ment	Other Indus-tries
Sargent	13.01%	D%	2.89%	40.39%	8.20%	12.23%	2.93%	4.31%	14.96%	D%
Sheridan	46.15	D	6.64	1.58	1.23	9.42	3.20	D	14.36	D
Sioux	22.55	D	2.25	2.22	.43	7.82	D	14.70	48.78	D
Slope	66.13	D	D	.00	D	1.81*	D	1.65	18.52	D
Stark	5.44	5.70	9.73	8.80	9.66	23.93	4.51	17.79	13.85	.39
Steele	-3.93	.00	8.40	4.52	11.95	24.85	6.69	7.31	39.47	.73
Stutsman	1.58	.57	10.95	11.43	9.08	22.65	3.85	4.82	24.73	.35
Towner	37.20	D	3.52	1.44	9.23	18.28	4.13	13.49	12.18	.34
Traill	16.58	.32	4.36	10.40	6.16	23.38	4.77	13.69	18.79	1.54
Walsh	3.44	.87	9.90	3.53	8.37	25.10	5.25	13.30	28.63	1.61
Ward	3.19	.86	8.34	3.55	8.91	19.82	3.56	13.77	37.85	.14
Wells	17.62	D	7.16	1.66	8.90	25.09	5.07	13.54	19.85	D
Williams	7.71	16.16	6.77	4.69	9.99	22.19	3.33	16.63	12.11	.42
NORTH DAKOTA	6.32	2.36	10.23	6.93	9.01	21.96	4.74	14.90	23.15	.39

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

D Not shown to avoid disclosure of confidential information.

* Retail only, wholesale deleted to protect confidentiality.

TABLE 4.08

PERSONAL INCOME: THE UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, SELECTED YEARS, 1929-1977

(Millions of Dollars)

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Wyo.
1929	$ 85,803	$ 246	$ 288	$ 315	$ 827	$ 1,548	$ 152
1940	78,122	218	231	316	574	1,475	152
1950	226,197	792	815	962	1,988	4,216	484
1955	308,266	848	857	1,178	2,191	5,483	570
1960	396,086	1,066	1,200	1,347	2,846	7,071	732
1965	532,022	1,508	1,498	1,704	3,761	9,494	867
1970	793,485	1,904	2,072	2,367	5,442	14,571	1,226
1971	851,952	2,158	2,259	2,486	5,864	15,415	1,309
1972	935,463	2,676	2,610	2,885	6,638	16,870	1,506
1973	1,045,098	3,842	3,366	3,466	7,854	19,890	1,807
1974	1,147,257	3,737	3,239	3,666	8,005	21,170	2,046
1975	1,248,631	3,758	3,401	4,014	9,085	22,680	2,301
1976	1,373,334	3,712	3,457	4,266	9,394	24,625	2,643
1977	1,520,070	3,837	4,102	4,637	10,426	28,293	3,055

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.09

PER CAPITA PERSONAL INCOME: THE UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, SELECTED YEARS, 1929-1977

(Current Dollars)

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Wyo.
1929	$ 705	$ 365	$ 417	$ 502	$ 602	$ 602	$ 683
1940	592	340	360	566	436	529	606
1950	1,496	1,279	1,244	1,622	1,498	1,407	1,670
1955	1,876	1,378	1,293	1,852	1,594	1,729	1,857
1960	2,201	1,681	1,758	1,983	2,009	2,064	2,210
1965	2,750	2,323	2,164	2,414	2,556	2,643	2,612
1970	3,893	3,077	3,108	3,395	3,657	3,819	3,672
1971	4,132	3,448	3,371	3,503	3,904	3,999	3,847
1972	4,493	4,235	3,847	4,013	4,364	4,358	4,352
1973	4,980	6,064	4,948	4,760	5,127	5,115	5,120
1974	5,428	5,879	4,753	4,976	5,196	5,422	5,653
1975	5,861	5,901	4,495	5,381	5,886	5,784	6,124
1976	6,397	5,758	5,043	5,648	6,052	6,227	6,766
1977	7,026	5,872	5,953	6,093	6,679	7,118	7,517

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.12

PER CAPITA INCOME AND PERCENT OF NATIONAL AVERAGE BY STATE, 1976 AND 1977

State	1976	% of National Average	1977	% of National Average
United States	$ 6,397	100%	$ 7,026	100%
Alabama	5,128	80	5,633	80
Alaska	10,254	160	10,497	149
Arizona	5,931	93	6,520	93
Arkansas	4,949	77	5,522	79
California	7,219	113	7,909	113
Colorado	6,523	102	7,166	102
Connecticut	7,312	114	8,055	115
Delaware	7,122	111	7,724	110
Florida	6,101	95	6,697	95
Georgia	5,511	86	6,002	85
Hawaii	7,188	112	7,704	110
Idaho	5,659	88	5,998	85
Illinois	7,310	114	7,951	113
Indiana	6,256	98	6,922	99
Iowa	6,105	95	6,887	98
Kansas	6,475	101	7,141	102
Kentucky	5,407	85	5,989	85
Louisiana	5,347	84	5,910	84
Maine	5,359	84	5,751	82
Maryland	6,994	109	7,569	108
Massachusettes	6,627	104	7,262	103
Michigan	6,766	106	7,606	108
Minnesota	6,227	97	7,118	101
Mississippi	4,538	71	5,027	72
Missouri	5,963	93	6,661	95
Montana	5,648	88	6,093	87
Nebraska	6,052	95	6,679	95
Nevada	7,202	113	7,980	114
New Hampshire	6,001	94	6,578	94
New Jersey	7,298	114	7,969	113
New Mexico	5,285	83	5,846	83
New York	6,929	108	7,519	107
North Carolina	5,467	85	5,916	84
NORTH DAKOTA	5,758	90	5,872	84
Ohio	6,395	100	7,090	101
Oklahoma	5,700	89	6,269	89
Oregon	6,374	100	7,014	100
Pennsylvania	6,399	100	7,001	100
Rhode Island	6,186	97	6,775	96
South Carolina	5,191	81	5,639	80
South Dakota	5,043	79	5,953	85
Tennessee	5,293	83	5,801	83
Texas	6,158	96	6,827	97
Utah	5,419	85	5,943	85
Vermont	5,401	84	5,822	83
Virginia	6,350	99	6,876	98
Washington	6,894	108	7,562	108
West Virginia	5,476	86	5,998	85
Wisconsin	6,123	96	6,864	98
Wyoming	6,766	106	7,517	107
District of Columbia	8,071	126	8,984	128

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.10

TOTAL PERSONAL INCOME BY NORTH DAKOTA COUNTY, 1969-1977
(Millions of Dollars)

County	1969	1970	1971	1972	1973	1974	1975	1976	1977
Adams	$ 12.5	$ 13.7	$ 14.0	$ 16.9	$ 28.1	$ 24.1	$ 17.7	$ 16.9	$ 20.7
Barnes	41.5	42.3	49.8	60.8	82.4	87.4	87.1	74.0	78.0
Benson	19.4	20.6	24.6	30.9	52.2	47.8	53.4	46.3	41.0
Billings	3.4	3.7	4.2	5.9	7.0	6.4	4.7	5.7	5.6
Bottineau	29.2	28.5	33.5	44.4	88.1	68.1	58.5	56.9	54.3
Bowman	11.6	12.2	13.5	18.5	26.3	29.2	19.4	20.5	23.8
Burke	14.4	13.5	14.4	20.3	36.8	32.4	23.7	23.3	24.1
Burleigh	131.6	141.7	158.3	190.5	217.8	248.5	286.0	304.6	343.5
Cass	273.1	288.5	317.6	364.9	478.0	505.0	516.5	580.6	625.0
Cavalier	22.2	25.0	36.4	50.7	83.2	75.6	74.7	53.6	42.4
Dickey	19.1	19.3	24.1	29.8	41.8	45.9	42.2	36.7	35.3
Divide	14.5	14.7	15.0	23.3	42.0	40.8	26.0	28.9	25.7
Dunn	11.6	11.8	13.9	20.5	29.1	24.2	17.1	20.7	20.4
Eddy	11.1	11.0	14.0	17.1	21.9	20.3	20.2	18.6	19.2
Emmons	16.7	14.6	19.5	23.3	28.9	28.9	32.5	25.2	22.5
Foster	13.3	13.6	16.8	21.4	30.6	30.9	28.3	28.8	25.7
Golden Valley	8.9	9.6	10.3	14.4	22.0	22.0	12.9	13.7	13.5
Grand Forks	179.2	199.5	222.8	260.3	324.1	334.3	357.5	379.2	388.7
Grant	11.7	11.3	14.0	20.1	31.1	22.3	18.2	21.9	21.3
Griggs	12.2	11.4	13.9	17.8	24.7	24.7	25.2	18.8	18.2
Hettinger	15.1	15.0	15.1	21.0	33.8	32.8	18.6	21.7	21.3
Kidder	11.9	11.4	13.7	17.3	23.1	22.1	26.2	19.8	20.1
La Moure	20.5	19.1	26.0	31.2	37.2	46.2	41.1	32.5	33.6
Logan	10.4	8.5	11.2	13.5	15.8	18.8	17.8	14.3	12.7
McHenry	25.1	25.5	27.1	37.6	62.1	49.1	53.2	45.0	43.3

TABLE 4.10--*Continued*

County	1969	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	$ 13.6	$ 12.6	$ 16.8	$ 19.7	$ 23.7	$ 29.0	$ 28.4	$ 24.2	$ 23.7
McKenzie	18.7	19.5	18.9	29.1	53.1	40.3	35.7	34.0	37.6
McLean	31.3	32.5	33.8	49.8	78.8	65.5	74.9	67.1	70.2
Mercer	15.9	18.0	19.3	26.7	35.8	34.2	37.8	35.3	42.6
Morton	52.7	58.2	63.7	75.6	94.9	99.4	109.5	122.7	133.7
Mountrail	22.0	21.9	23.8	30.9	61.5	48.0	41.0	41.1	39.5
Nelson	18.5	17.9	20.7	26.8	41.4	35.7	42.3	30.4	28.8
Oliver	6.5	6.8	6.6	9.5	14.5	11.2	11.4	15.0	13.6
Pembina	30.4	30.5	41.3	55.9	102.0	77.8	78.0	62.9	54.8
Pierce	17.5	16.9	20.7	26.1	46.2	36.5	37.7	32.9	34.3
Ramsey	39.7	41.1	46.8	57.2	81.5	78.7	90.9	83.8	84.1
Ransom	20.4	21.3	24.6	30.1	48.9	46.7	39.9	41.3	38.6
Renville	11.6	10.6	12.5	17.2	40.0	28.0	24.1	20.0	20.5
Richland	46.9	48.4	55.6	68.3	125.2	117.8	99.8	93.2	92.9
Rolette	25.4	26.9	30.5	37.6	54.9	46.1	53.8	55.5	56.4
Sargent	15.8	16.4	19.9	25.1	47.6	39.2	35.2	28.7	27.3
Sheridan	8.4	9.0	9.2	15.4	22.5	21.1	20.4	19.7	17.3
Sioux	7.8	8.8	10.2	12.3	17.3	11.9	14.4	16.3	15.6
Slope	4.0	5.0	5.7	8.8	14.6	13.5	6.9	8.5	7.9
Stark	47.8	51.4	56.2	69.6	86.6	93.2	90.0	101.5	111.5
Steele	11.7	10.2	13.0	17.5	35.4	31.6	28.3	20.2	16.8
Stutsman	70.6	73.4	84.4	101.2	126.2	143.9	147.4	138.5	149.8
Towner	16.1	15.3	18.9	26.5	51.1	39.2	39.5	31.0	28.7
Traill	29.6	26.0	32.4	39.5	75.7	77.6	70.1	60.7	55.2
Walsh	45.3	44.4	53.0	69.0	118.3	103.0	105.2	85.1	86.1
Ward	177.0	191.7	206.9	239.2	310.1	315.1	350.9	368.9	394.4
Wells	21.9	21.9	26.7	35.9	56.7	52.3	50.5	41.7	39.7
Williams	62.9	61.9	62.3	83.6	109.6	113.3	115.7	124.7	134.8

SOURCE: U.S. Department Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.11

TOTAL PERSONAL INCOME IN NORTH DAKOTA BY PLANNING REGION
AND SMSA, 1969-1977 (Millions of Dollars)

Region	1969	1970	1971	1972	1973	1974	1975	1976	1977
Region 1	$ 96.1	$ 96.1	$ 96.2	$ 136.0	$ 204.7	$ 194.4	$ 177.4	$ 187.6	$ 198.1
Region 2	296.8	308.6	338.9	415.7	644.8	577.2	589.1	588.1	610.4
Region 3	133.9	139.9	171.2	220.0	344.8	307.7	332.5	288.8	271.8
Region 4	273.4	292.3	337.8	412.0	585.8	550.8	583.0	557.6	558.4
Region 5	397.5	410.8	463.1	545.4	810.8	817.9	789.8	824.7	855.8
Region 6	223.1	222.1	269.7	331.3	439.1	479.1	468.0	409.5	416.7
Region 7	294.5	312.3	348.3	440.5	564.7	565.1	631.3	647.6	700.4
Region 8	114.9	122.4	132.9	175.6	247.5	245.4	187.3	209.2	224.7
NORTH DAKOTA	1,830.2	1,904.5	2,158.1	2,676.4	3,841.9	3,737.1	3,758.3	3,712.5	3,836.6
Fargo/Moorhead (Minn.)	402.9	437.6	474.0	539.9	719.8	742.6	743.0	842.6	923.9
Grand Forks/EGF (Minn.)	268.4	306.6	330.4	386.7	527.2	532.8	558.2	544.3	666.7

SOURCE: Computed from county data in U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.13

PER CAPITA PERSONAL INCOME BY NORTH DAKOTA COUNTY, 1969-1977 (Current Dollars) AND RANK BY COUNTY, 1969 AND 1977

County	1969	1970	1971	1972	1973	1974	1975	1976	1977	Rank 1969	Rank 1977
NORTH DAKOTA	$2,947	$3,077	$3,448	$4,235	$6,064	$5,879	$5,901	$5,758	$5,872		
Adams	3,202	3,612	3,806	4,576	7,410	6,359	4,722	4,459	5,407	6	24
Barnes	2,776	2,882	3,377	4,124	5,813	6,290	6,439	5,414	5,665	25	15
Benson	2,314	2,503	2,977	3,642	6,360	5,769	6,370	5,497	4,870	48	35
Billings	2,760	3,182	3,780	4,930	6,013	5,504	4,055	4,963	4,934	27	34
Bottineau	3,014	3,017	3,577	4,638	9,293	7,110	5,974	5,832	5,474	13	21
Bowman	2,949	3,118	3,385	4,649	6,679	7,389	4,733	4,885	5,516	18	20
Burke	2,943	2,857	3,081	4,325	8,167	7,421	5,559	5,386	5,600	19	18
Burleigh	3,263	3,476	3,843	4,518	4,875	5,424	6,072	6,307	6,832	4	3
Cass	3,718	3,903	4,217	4,705	6,155	6,391	6,482	7,127	7,504	1	1
Cavalier	2,646	2,977	3,963	5,033	7,709	6,543	6,663	4,900	4,490	36	46
Dickey	2,692	2,762	3,455	4,189	5,756	6,605	5,895	5,025	4,694	34	41
Divide	3,102	3,215	3,258	5,444	9,509	9,664	6,170	6,810	6,152	8	8
Dunn	2,311	2,407	2,841	4,285	6,218	5,142	3,628	4,369	4,178	49	50
Eddy	2,635	2,688	3,435	4,400	5,505	5,280	5,241	4,878	5,053	38	31
Emmons	2,276	2,028	2,722	3,339	4,165	4,258	4,773	3,765	3,383	51	52
Foster	2,716	2,804	3,435	4,295	6,340	6,488	5,848	5,914	5,209	31	26
Golden Valley	3,371	3,670	3,816	5,349	8,358	8,392	4,999	5,277	5,193	3	27
Grand Forks	2,999	3,246	3,523	5,086	5,032	5,150	5,709	5,881	5,863	15	12
Grant	2,288	2,259	2,747	3,961	6,127	4,444	3,635	4,348	4,299	50	49
Griggs	2,867	2,744	3,397	4,260	5,952	5,959	6,137	4,554	4,362	21	47
Hettinger	2,908	2,979	3,034	4,380	6,838	6,740	3,832	4,558	4,493	20	45
Kidder	2,647	2,632	3,202	4,041	5,216	5,116	6,134	4,603	4,580	35	43
La Moure	2,812	2,703	3,776	4,479	5,281	6,741	5,963	4,751	4,807	23	37
Logan	2,393	2,013	2,743	3,308	3,880	4,794	4,457	3,570	3,214	47	53
McHenry	2,722	2,846	3,051	4,284	7,114	5,655	6,098	5,208	5,043	30	32

TABLE 4.13--Continued

County	1969	1970	1971	1972	1973	1974	1975	1976	1977	Rank 1969	Rank 1977
McIntosh	$2,402	$2,280	$3,095	$3,676	$4,492	$5,543	$5,462	$4,761	$4,635	46	42
McKenzie	3,004	3,192	3,111	4,713	8,732	6,477	5,804	5,533	6,043	14	10
McLean	2,706	2,868	2,899	4,303	6,882	5,710	6,460	5,666	5,720	33	13
Mercer	2,543	2,910	3,116	4,313	5,805	5,441	5,898	5,247	6,058	43	9
Morton	2,572	2,855	3,070	3,631	4,615	4,725	5,020	5,290	5,654	41	16
Mountrail	2,557	2,569	2,655	3,566	7,204	5,696	4,830	4,855	4,712	42	40
Nelson	3,126	3,095	3,570	4,486	7,107	6,316	7,345	5,179	4,746	7	39
Oliver	2,781	2,907	2,877	4,199	6,495	4,862	4,757	6,176	5,456	24	22
Pembina	2,771	2,831	3,734	4,833	8,294	6,547	6,728	5,722	4,955	26	33
Pierce	2,712	2,660	3,190	3,967	6,921	5,730	5,732	5,028	5,187	32	27
Ramsey	3,052	3,186	3,639	4,223	6,036	5,847	6,827	6,097	6,216	10	7
Ransom	2,820	3,007	3,469	4,312	6,988	6,516	5,561	5,851	5,326	22	25
Renville	2,966	2,768	3,295	4,564	10,684	7,524	6,305	5,369	5,534	16	19
Richland	2,574	2,677	3,061	3,724	6,761	6,535	5,470	5,062	4,861	40	36
Rolette	2,205	2,331	2,639	3,114	4,342	3,669	4,231	4,308	4,355	52	48
Sargent	2,611	2,763	3,327	4,123	7,960	6,487	5,798	4,773	4,495	39	44
Sheridan	2,526	2,745	2,711	4,680	6,674	6,298	6,088	5,779	5,166	44	29
Sioux	2,146	2,426	2,761	3,338	4,492	2,996	3,540	4,110	3,958	53	51
Slope	2,641	3,445	4,100	6,781	10,407	9,793	5,051	6,315	5,983	37	11
Stark	2,436	2,618	2,848	3,526	4,450	4,778	4,658	5,200	5,712	45	14
Steele	3,034	2,736	3,614	4,873	9,947	9,012	7,948	5,649	4,750	12	38
Stutsman	2,963	3,117	3,571	4,320	5,458	6,154	6,311	5,939	6,345	17	6
Towner	3,387	3,291	4,032	5,782	11,461	8,974	9,167	7,265	6,437	2	4
Traill	3,046	2,730	3,459	4,215	8,292	8,333	7,538	6,338	5,609	11	17
Walsh	2,748	2,726	3,219	4,097	7,172	6,367	6,520	5,104	5,130	28	30
Ward	3,076	3,254	3,412	3,915	5,150	5,167	5,732	6,020	6,432	9	5
Wells	2,733	2,793	3,472	4,735	7,581	7,114	6,956	5,757	5,444	29	23
Williams	3,209	3,220	3,268	4,438	5,902	6,100	6,161	6,513	6,937	5	2

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.14

PER CAPITA INCOME BY NORTH DAKOTA COUNTY AS A PERCENT OF NATIONAL AVERAGE, 1970-1977

County	1970	1971	1972	1973	1974	1975	1976	1977
NORTH DAKOTA	79%	83%	94%	122%	108%	101%	90%	84%
Adams	93	92	102	149	117	81	70	77
Barnes	74	82	92	117	116	110	85	81
Benson	64	72	81	128	106	109	86	69
Billings	82	91	110	121	101	69	78	70
Bottineau	77	87	103	187	131	102	91	78
Bowman	80	82	103	134	136	81	76	79
Burke	73	75	96	169	137	95	84	80
Burleigh	89	93	101	98	100	104	99	97
Cass	100	102	105	124	118	111	111	107
Cavalier	76	96	112	155	121	114	77	64
Dickey	71	84	93	116	122	101	79	67
Divide	83	79	121	191	178	105	106	88
Dunn	62	69	95	125	95	62	68	59
Eddy	69	83	98	111	97	89	76	72
Emmons	52	66	74	84	78	81	59	48
Foster	72	63	96	127	120	100	92	74
Golden Valley	94	92	119	168	155	85	82	74
Grand Forks	83	85	91	101	95	97	92	83
Grant	58	66	88	123	82	62	68	61
Griggs	70	82	95	120	110	105	71	62
Hettinger	77	73	97	137	124	65	71	64
Kidder	68	77	90	105	94	105	72	65
La Moure	69	91	100	106	124	102	74	68
Logan	52	66	74	78	88	76	56	46
McHenry	73	74	95	143	104	104	81	72
McIntosh	59	75	82	90	102	93	74	66
McKenzie	82	75	105	175	119	99	86	86
McLean	74	70	96	138	105	110	89	81
Mercer	75	75	96	117	100	101	82	86
Morton	73	74	81	93	87	86	83	80
Mountrail	66	64	79	145	105	82	76	67
Nelson	80	86	100	143	116	125	81	68
Oliver	75	70	93	130	91	81	97	78
Pembina	73	90	108	167	121	115	89	71
Pierce	68	77	88	139	106	98	79	74

TABLE 4.14--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
Ramsey	82%	88%	94%	121%	108%	116%	95%	88%
Ransom	77	84	96	140	120	95	91	76
Renville	71	80	102	215	139	108	94	79
Richland	69	74	83	136	120	93	79	69
Rolette	60	64	69	87	68	72	67	62
Sargent	71	81	92	160	120	99	75	64
Sheridan	71	66	104	134	116	104	90	74
Sioux	62	67	64	90	55	60	64	56
Slope	88	99	151	209	180	86	99	85
Stark	67	69	78	89	88	79	81	81
Steele	70	87	108	200	166	136	88	68
Stutsman	80	86	96	110	113	108	93	90
Towner	85	98	129	230	165	156	114	92
Traill	70	84	94	167	154	129	99	80
Walsh	70	78	91	144	177	111	80	73
Ward	84	83	87	103	95	98	94	92
Wells	72	84	105	152	131	119	90	77
Williams	83	79	99	119	112	105	102	99

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.17

TOTAL LABOR AND PROPRIETORS INCOME BY TYPE BY NORTH DAKOTA COUNTY, 1977 (Thousands of Dollars)

County	Wages & Salaries	Other Labor	Proprietors Income	
			Farm	Non-Farm
Adams	$ 9,532	$ 725	$ -432	$ 2,410
Barnes	33,212	2,368	1,228	5,535
Benson	14,189	982	5,392	3,531
Billings	3,220	249	1,563	118
Bottineau	20,326	1,549	2,158	6,049
Bowman	11,518	1,244	564	2,003
Burke	8,853	742	679	3,537
Burleigh	233,750	17,348	5,527	22,472
Cass	485,009	38,495	3,866	47,026
Cavalier	18,223	1,545	238	5,015
Dickey	16,485	1,433	5	2,981
Divide	9,151	623	4,699	1,557
Dunn	6,671	510	4,646	875
Eddy	7,334	541	1,037	2,529
Emmons	8,546	632	868	2,025
Foster	12,686	960	399	2,320
Golden Valley	4,948	382	830	1,569
Grand Forks	286,882	15,473	-5,738	29,400
Grant	5,612	397	5,926	1,449
Griggs	7,348	611	-362	1,290
Hettinger	8,125	594	2,175	1,710
Kidder	5,625	445	4,361	1,721
La Moure	11,278	818	1,099	3,134
Logan	4,440	349	-29	1,072
McHenry	14,275	1,178	4,335	3,309
McIntosh	8,202	678	2,645	1,691
McKenzie	16,275	1,266	5,340	3,456
McLean	37,985	2,565	7,616	4,095
Mercer	27,851	3,298	4,322	3,222
Morton	68,940	5,975	7,840	7,321
Mountrail	16,067	1,266	3,189	3,624
Nelson	11,836	908	-1,280	2,314
Oliver	12,906	955	4,302	294
Pembina	31,766	2,597	-7,073	5,387
Pierce	13,920	1,161	4,197	1,920
Ramsey	38,160	2,879	6,671	7,854
Ransom	16,151	1,349	1,827	2,850
Renville	6,793	489	1,358	3,583
Richland	46,832	3,709	-4,233	8,314
Rolette	33,089	1,940	3,218	2,952

TABLE 4.17--*Continued*

County	Wages & Salaries	Other Labor	Proprietors Income	
			Farm	Non-Farm
Sargent	$ 13,218	$ 1,328	$ 1,699	$ 1,639
Sheridan	5,024	357	5,015	1,079
Sioux	8,482	451	2,473	489
Slope	1,612	96	1,958	28
Stark	60,957	5,406	3,554	9,385
Steele	7,467	497	-1,213	1,706
Stutsman	91,955	6,770	18	10,266
Towner	7,806	603	5,235	3,052
Traill	22,471	1,716	2,960	3,682
Walsh	45,679	3,276	-3,410	7,911
Ward	258,306	13,463	8,426	26,771
Wells	14,026	1,033	2,844	3,179
Williams	73,562	6,036	6,484	13,651
NORTH DAKOTA	2,244,576	162,260	121,016	296,352

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.15

PER CAPITA INCOME IN NORTH DAKOTA BY PLANNING REGION
AND SMSA,* 1969-1977 (In Dollars)

Region	1969	1970	1971	1972	1973	1974	1975	1976	1977
Region 1	$3,151	$3,214	$3,228	$4,642	$7,034	$6,703	$6,075	$6,381	$6,643
Region 2	2,956	3,068	3,285	4,024	6,334	5,648	5,725	5,726	5,937
Region 3	2,667	2,815	3,370	4,167	6,433	5,688	6,192	5,338	5,167
Region 4	2,933	3,096	3,497	4,199	5,917	5,581	6,067	5,684	5,567
Region 5	3,354	3,475	3,872	4,470	6,651	6,648	6,359	6,535	6,629
Region 6	2,775	2,819	3,436	4,220	5,666	6,263	6,134	5,353	5,384
Region 7	2,807	2,991	3,292	4,136	5,190	5,123	5,602	5,592	5,891
Region 8	2,672	2,873	3,127	4,161	5,893	5,843	4,470	4,981	5,325
NORTH DAKOTA	2,947	3,077	3,448	4,235	6,064	5,879	5,901	5,758	5,872
Fargo/Moorhead (Minn.)	3,481	3,626	3,858	4,330	5,775	5,900	5,884	6,544	7,033
Grand Forks/EGF (Minn.)	2,848	3,196	3,375	3,921	5,297	5,326	5,704	5,434	6,499

SOURCE: Computed from county data in U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

* SMSA--Standard Metropolitan Statistical Area.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 4.16

PERSONAL INCOME BY MAJOR SOURCES: NORTH DAKOTA AND UNITED STATES, SELECTED YEARS, 1929-1977

(Millions of Dollars)

North Dakota	Wages & Salaries	Other Labor Income	Proprietors Income	Dividends, Interest & Rent	Transfer Payments	Minus Soc. Ins. & Residence Adjustment	Personal Income by Residence (Total)
1929	$ 133	$ 1	$ 82	$ 26	$ 5	$ 1	$ 246
1940	108	1	80	19	11	1	218
1950	332	7	343	67	49	8	792
1960	560	19	313	155	83	22	1,081
1965	753	29	445	223	113	32	1,498
1970	1,065	49	361	328	209	99	1,913
1971	1,153	55	504	330	245	114	2,173
1972	1,294	64	772	403	279	136	2,676
1973	1,435	75	1,679	506	316	168	3,842
1974	1,625	90	1,233	632	363	206	3,737
1975	1,853	118	956	645	421	238	3,758
1976	2,075	142	597	697	469	268	3,712
1977	2,245	162	417	778	522	287	3,837

TABLE 4.16--*Continued*

United States	Wages & Salaries	Other Labor Income	Proprietors Income	Dividends, Interest & Rent	Transfer Payments	Minus Soc. Ins. & Residence Adjustment	Personal Income by Residence (Total)
1929	$ 50,331	$ 561	$15,108	$ 18,446	$ 1,496	$ 139	$ 85,803
1940	49,651	687	13,045	12,281	3,114	656	78,123
1950	145,297	3,822	37,475	27,394	15,072	2,863	226,197
1960	269,800	11,997	46,209	52,703	28,487	9,249	399,947
1965	358,681	18,733	57,253	77,495	39,922	13,394	538,690
1970	541,880	32,149	66,919	116,102	79,107	27,934	808,223
1971	573,927	36,361	69,179	122,912	93,274	30,664	864,989
1972	627,326	41,936	75,513	120,752	104,099	34,163	935,463
1973	695,024	48,670	91,296	133,407	118,886	42,185	1,045,098
1974	758,415	55,572	84,715	155,367	140,826	47,638	1,147,257
1975	799,877	65,094	86,116	169,840	178,166	50,462	1,248,446
1976	883,928	76,977	87,070	186,728	193,915	55,284	1,373,333
1977	976,015	90,383	98,357	207,301	208,824	60,810	1,520,070

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.18

TOTAL LABOR AND PROPRIETORS INCOME BY INDUSTRY BY NORTH DAKOTA COUNTY, 1977 (Thousands of Dollars)

County	Farm	Non-Farm								
		Mining	Con-struction	Manu-facturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Govern-ment	Other Indus-tries
Adams	$ 140	$ D	$ D	$ 360	$ 684	$ 4,094	$ 429	$ 2,865	$ 2,403	$ 183
Barnes	2,591	D	4,961	1,636	2,440	13,061	1,739	6,488	9,140	D
Benson	6,564	D	2,857	2,556	1,027	2,850	896	2,865	4,272	D
Billings	1,753	1,564	126	-----	D	155*	D	D	1,023	L
Bottineau	3,473	3,181	2,255	1,089	2,586	6,764	1,248	3,497	5,849	140
Bowman	1,069	3,462	1,167	186	885	3,737	613	1,975	2,099	136
Burke	1,119	3,324	621	131	1,834	2,056	746	819	3,108	53
Burleigh	6,999	3,022	37,814	17,815	24,516	61,789	13,048	54,227	59,555	312
Cass	7,320	D	58,829	56,324	55,029	160,817	44,534	104,702	84,435	D
Cavalier	1,130	D	2,510	300	3,805	5,509	1,476	4,409	5,583	D
Dickey	1,174	D	1,376	1,659	1,219	5,608	1,033	3,396	5,299	D
Divide	5,268	421	592	263	D	2,066	488	1,747	4,859	D
Dunn	5,394	D	518	L	289	1,570	251	D	2,250	94
Eddy	1,438	444	1,814	107	788	2,390	1,129	1,666	1,579	86
Emmons	1,448	D	1,186	545	846	2,634	581	1,467	3,262	D
Foster	1,068	65	2,851	487	2,053	4,194	953	1,864	2,643	187
Golden Valley	1,171	334	442	165	703	1,885	510	1,228	1,222	69
Grand Forks	-1,668	D	27,196	18,921	34,988	59,145	11,686	42,757	132,098	D
Grant	6,522	D	498	147	309	1,909	510	1,174	2,181	D
Griggs	162	-----	559	1,223	525	2,434	525	1,153	2,210	96

TABLE 4.19

DERIVATION OF PERSONAL INCOME ON PLACE-OF-RESIDENCE BASIS BY NORTH DAKOTA COUNTY, 1977

(Thousands of Dollars)

County	Total Labor & Proprietor Income	Minus Social Insurance	Plus Residence Adjustment	Plus Dividends, Interest & Rent	Plus Transfer Payments	Total Personal Income
Adams	$ 12,235	$ 1,013	$ 484	$ 5,700	$ 3,310	$ 20,716
Barnes	42,343	3,077	1,952	23,111	13,645	77,974
Benson	24,094	1,470	-396	10,383	8,388	40,999
Billings	5,150	225	-749	914	510	5,600
Bottineau	30,082	2,266	2,058	15,315	9,149	54,338
Bowman	15,329	1,109	-1,251	7,497	3,362	23,828
Burke	13,811	1,112	302	6,709	4,347	24,057
Burleigh	279,097	19,119	-3,640	52,567	34,598	343,503
Cass	574,396	36,353	-84,097	107,836	63,256	625,038
Cavalier	25,021	1,836	11	11,850	7,340	42,386
Dickey	20,904	1,498	-320	9,714	6,462	35,262
Divide	16,030	813	272	6,894	3,349	25,732
Dunn	12,702	540	322	4,656	3,274	20,414
Eddy	11,441	905	155	4,718	3,801	19,210
Emmons	12,071	850	19	6,341	4,880	22,461
Foster	16,365	1,174	-595	7,040	4,068	25,704
Golden Valley	7,729	567	204	3,736	2,378	13,480
Grand Forks	326,017	21,024	-21,848	62,454	43,119	388,718
Grant	13,384	574	47	5,056	3,428	21,341
Griggs	8,887	689	18	6,388	3,602	18,206
Hettinger	12,604	738	64	5,487	3,896	21,313
Kidder	12,152	578	556	4,814	3,117	20,061
La Moure	16,329	1,165	116	12,366	5,971	33,617
Logan	5,832	466	-174	4,285	3,252	12,729
McHenry	23,097	1,334	2,795	10,504	8,210	43,272
McIntosh	13,216	794	91	6,638	4,592	23,743
McKenzie	26,337	1,574	921	7,719	4,202	37,605
McLean	52,261	3,275	-4,730	15,470	10,475	70,201
Mercer	38,693	2,371	-5,070	5,732	5,658	42,642
Morton	90,076	5,694	10,882	21,256	17,169	133,689
Mountrail	24,146	1,531	271	9,248	7,375	39,509
Nelson	13,778	1,168	-31	10,205	6,003	28,787
Oliver	18,457	949	-7,140	2,121	1,156	13,645
Pembina	32,677	2,790	-504	14,976	10,479	54,838
Pierce	21,198	1,251	-45	9,257	5,092	34,251

TABLE 4.19--*Continued*

County	Total Labor & Proprietor Income	Minus Social Insurance	Plus Residence Adjustment	Plus Dividends, Interest & Rent	Plus Transfer Payments	Total Personal Income
Ramsey	$ 55,564	$ 3,815	$ 174	$18,854	$13,300	$ 84,077
Ransom	22,177	1,468	819	10,549	6,543	38,620
Renville	12,223	1,004	-305	6,236	3,302	20,452
Richland	54,622	4,289	1,797	23,835	16,960	92,925
Rolette	41,199	2,232	-1,694	6,197	12,941	56,411
Sargent	17,884	1,119	-1,130	6,555	5,084	27,274
Sheridan	11,475	508	310	3,535	2,488	17,300
Sioux	11,895	599	-900	1,566	3,666	15,628
Slope	3,694	68	1,042	2,430	764	7,862
Stark	79,302	5,643	-645	23,246	15.253	111,513
Steele	8,457	661	343	5,937	2,769	16,845
Stutsman	109,009	7,286	-1,142	29,917	19,337	149,835
Towner	16,696	885	378	8,623	3,923	28,735
Traill	30,829	1,999	1,709	15,037	9,630	55,206
Walsh	53,456	3,792	-743	21,961	15,237	86,119
Ward	306,966	20,329	7,689	56,600	43,468	394,394
Wells	21,082	1,432	566	12,121	7,399	39,736
Williams	99,733	7,074	-466	25,574	17,049	134,816
NORTH DAKOTA	2,824,204	186,095	-101,248	777,730	522,026	3,836,617

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, *Regional Economics Information System*.

TABLE 4.20

MEAN AND MEDIAN INCOME OF NORTH DAKOTA FAMILIES BY SELECTED CHARACTERISTICS, 1975

	Number (Thousands)	Median Income	Mean Income
Families - Total	159	$13,626	$15,963
Type of Family			
Husband-Wife	145	14,118	16,431
Wife paid	59	15,683	17,234
Wife not paid	86	12,651	15,884
Single Head-Female[1]	10	8,519	9,612
Number of Earners [2]			
None	10	6,039	7,457
One	49	11,023	13,614
Two	65	14,415	16,461
Three or more	29	20,324	22,808
Occupation [3]			
White-collar	44	17,521	20,292
Blue-collar	36	14,069	15,200
Service	7	11,282	11,624
Farm	39	13,298	16,647
Education Attainment [3]			
Elementary	44	10,934	13,376
High School	58	14,134	16,189
College	42	17,515	20,549

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports-Consumer Income, Money Income and Poverty Status in 1975 of Families and Persons in the United States and the North Central Region, by Divisions and States, April 1978.

[1] Sample size for single male head was too small for reliability.

[2] Excludes all members of the Armed Forces.

[3] Characteristics are for husband in husband-wife families and head in other families.

TABLE 4.22

FAMILY INCOME AND POVERTY LEVELS FOR SELECTED STATES, 1975

State	Median Income	Mean Income	Number Below Poverty Level (Thousands)	Poverty Rate (%)
United States	$14,094	$16,142	5,051	9.0%
NORTH DAKOTA	13,626	15,963	13	8.0
South Dakota	12,051	13,570	19	10.6
Montana	13,608	15,418	17	8.9
Nebraska	14,209	16,120	29	7.1
Minnesota	14,740	16,555	63	6.4
Wyoming	14,784	16,751	7	7.0

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports-Consumer Income, Money Income and Poverty Status in 1975, North Central and West Regions, 1978.

TABLE 4.23

CHARACTERISTICS OF FAMILIES BELOW POVERTY LEVEL IN NORTH DAKOTA, 1975

	Total (Thousands)	Number Below Poverty Level (Thousands)	Poverty Rate (%)
Families - Total	159	13	8.0%
Size of Family			
2 Persons	56	4	7.5
3 Persons	33	2	7.4
4 Persons	30	1	4.6
5 Persons	21	2	8.3
6 Persons	11	1	11.2
7 or more	7	2	22.3
Educational Attainment			
Less than 8 Years	12	2	14.0
8 Years	32	3	8.8
1-3 Years High School	15	2	11.6
4 Years High School	43	3	7.9
1 or more Years College	42	1	3.0
Work Experience in 1975			
Worked	133	9	6.5
50-52 Weeks	103	6	5.7
49 Weeks or less	30	3	9.3
Did Not Work	20	4	18.8
Ill or Disabled	4	1	36.2
Retired	13	1	7.3
Keeping House	2	1	*
Type of Income in 1975			
With Earnings	149	10	6.7
With Other Income[1]	131	10	7.6
With Transfer Payments[1]	57	6	10.4
Social Security	35	3	8.7
Supplemental Security	3	1	*
Public Assistance	5	2	41.7
Other Transfer Payments[2]	21	1	4.5
With Transfer Payments Only	14	4	24.3

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports-Consumer Income, Money Income and Poverty Status in 1975 of Families and Persons in the United States and the North Central Region, by Divisions and States, April 1978.

[1] Does not add to total because some families have more than one type of income.

[2] Includes unemployment, workmen's compensation, and veterans benefits.

* Sample size too small to include.

TABLE 4.24

FEDERAL INDIVIDUAL INCOME TAX ITEMS FOR NORTH DAKOTA, 1975 (Thousands of Dollars)

Size of Adjusted Gross Income	# of Returns	Adjusted Gross Income	Salaries & Wages	Taxable Income	Total Income Tax
Total	243,847	$2,719,672	$1,705,770	$1,774,319	$337,274
Under $1,000	18,283	-22,127	12,209	---	---
$ 1,000 under $ 2,000	16,873	24,623	20,467	2,062	155
$ 2,000 under $ 3,000	12,214	30,710	26,128		
$ 3,000 under $ 4,000	15,711	55,885	42,527	12,802	1,521
$ 4,000 under $ 5,000	13,468	60,985	38,115	17,794	2,189
$ 5,000 under $ 6,000	16,101	87,200	58,616	35,894	4,492
$ 6,000 under $ 7,000	12,526	81,167	55,581	34,885	4,558
$ 7,000 under $ 8,000	14,286	106,306	70,602	52,036	6,894
$ 8,000 under $ 9,000	9,406	79,877	55,033	43,759	6,171
$ 9,000 under $ 10,000	11,516	109,286	80,653	64,615	10,129
$ 10,000 under $ 11,000	9,165	96,656	63,828	58,148	8,266
$ 11,000 under $ 12,000	10,218	117,488	92,017	74,291	10,939
$ 12,000 under $ 13,000	7,805	97,463	74,032	58,586	8,744
$ 13,000 under $ 14,000	8,073	108,940	83,341	69,030	9,854
$ 14,000 under $ 15,000	8,047	117,213	91,045	76,392	12,122
$ 15,000 under $ 20,000	26,977	463,897	347,484	309,569	51,323
$ 20,000 under $ 25,000	14,336	318,459	203,232	230,520	40,447
$ 25,000 under $ 30,000	6,365	171,434	103,752	129,144	25,282
$ 30,000 under $ 50,000	8,579	316,925	109,684	252,480	51,509
$ 50,000 under $100,000	3,372	221,420	56,389	186,008	54,218
$100,000 under $200,000	468	59,918	13,757	51,806	20,940
Over $200,000	58	15,947	2,278	14,498	7,521
Summary					
Under $5,000	76,549	150,076	139,445	32,658	3,864
$ 5,000 under $ 10,000	63,835	463,836	320,486	231,189	32,244
$ 10,000 under $ 15,000	43,308	537,760	409,263	336,447	49,925
Over $15,000	60,155	1,567,999	836,575	1,174,024	251,240

SOURCE: Internal Revenue Service, Individual Income Tax Returns, Statistics of Income 1975.

Note: All figures are based on samples.

TABLE 4.18--*Continued*

County	Farm	Non-Farm								
		Mining	Con-struc-tion	Manu-fac-turing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Govern-ment	Other Indus-tries
Hettinger	$ 3,026	$ D	$ 1,190	$ 239	$ 783	$ 2,491	$ 600	$ 1,326	$ 2,821	$ D
Kidder	4,935	L	768	201	1,066	1,788	367	559	2,338	119
La Moure	2,036	-----	1,206	579	1,112	4,913	908	1,167	4,279	129
Logan	238	L	557	156	121	1,673	406	814	1,809	L
McHenry	5,486	606	2,280	661	3,409	3,517	708	1,523	4,778	129
McIntosh	3,124	L	535	553	645	2,452	601	2,525	2,563	103
McKenzie	6,301	5,918	2,094	144	D	3,509	742	2,338	3,526	D
McLean	8,550	1,516	19,880	381	2,972	6,118	1,098	3,844	7,533	369
Mercer	4,704	7,443	5,268	404	6,931	7,897	737	2,406	2,816	87
Morton	8,698	621	11,142	12,548	12,054	15,325	3,668	11,888	13,763	369
Mountrail	4,009	690	1,283	869	1,707	4,486	864	3,664	6,439	135
Nelson	-445	D	1,792	695	1,535	3,831	981	2,157	3,131	D
Oliver	4,656	D	8,176	L	D	673	54	254	1,036	D
Pembina	-2,589	D	4,035	7,354	2,339	7,649	1,377	5,066	6,912	D
Pierce	4,738	243	1,132	1,162	1,651	4,764	849	3,661	2,865	133
Ramsey	7,591	D	3,915	1,154	3,923	17,035	2,515	10,133	9,175	D
Ransom	2,609	L	1,125	3,671	2,831	5,048	960	2,280	3,458	177
Renville	1,851	2,332	1,080	103	433	2,345	279	1,461	2,274	65
Richland	-1,770	D	5,934	10,522	4,766	12,525	2,730	6,424	12,782	D
Rolette	3,745	D	3,358	1,583	869	5,032	1,333	9,364	15,740	D

TABLE 4.18--*Continued*

County	Farm	Non-Farm								
		Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Government	Other Industries
Sargent	$ 2,326	$ D	$ 517	$ 7,223	$ 1,466	$ 2,187	$ 524	$ 771	$ 2,675	$ D
Sheridan	5,296	D	762	181	141	1,081	367	D	1,648	D
Sioux	2,682	D	268	264	51	930	D	1,748	5,802	L
Slope	2,443	D	D	-----	D	67*	L	61	684	L
Stark	4,476	4,517	7,718	6,976	7,657	18,976	3,580	14,107	10,984	311
Steele	-332	-----	710	382	1,011	2,102	566	618	3,338	62
Stutsman	1,722	620	11,940	12,459	9,900	24,688	4,198	16,150	26,954	378
Towner	6,211	L	588	241	1,541	3,051	689	2,252	2,033	56
Traill	5,111	98	1,344	3,207	1,900	7,228	1,470	4,222	5,794	475
Walsh	1,841	465	5,290	1,886	4,476	13,417	2,809	7,107	15,304	861
Ward	9,799	2,652	25,606	10,907	27,339	60,868	10,935	42,259	116,175	426
Wells	3,715	D	1,509	351	1,876	5,290	1,068	2,855	4,184	D
Williams	7,687	16,116	6,751	4,678	9,961	22,135	3,325	16,587	12,077	416
NORTH DAKOTA	178,605	66,701	289,010	195,660	254,519	620,304	133,867	420,856	653,760	10,922

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Anaylsis, Regional Economics Information System.

L Less than $50,000.

D Not shown to avoid disclosure of confidential information.

* Retail only, wholesale delated to maintain confidentiality.

TABLE 4.21

PERCENT SHARE OF AGGREGATE INCOME BY EACH FIFTH OF FAMILIES: UNITED STATES AND NORTH CENTRAL REGION,* SELECTED YEARS, 1955-1977

	1955		1960		1965		1970		1975		1977	
	United States	North Central	United States	North Central	United States	North Central	United States	North Central	United States	North Central	United States	North Central
Lowest Fifth	4.8%	5.4%	4.8%	5.2%	5.2%	5.9%	5.4%	5.8%	5.4%	5.8%	5.2%	5.4%
Second Fifth	12.3	12.7	12.2	12.7	12.2	13.0	12.2	12.8	11.8	12.5	11.6	12.2
Third Fifth	17.8	18.0	17.8	18.3	17.8	18.2	17.6	18.1	17.6	18.0	17.5	17.9
Fourth Fifth	23.7	23.6	24.0	24.1	23.9	23.8	23.8	23.9	24.1	24.0	24.2	24.2
Highest Fifth	41.3	40.3	41.3	39.7	40.9	39.2	40.9	39.4	41.1	39.8	41.5	40.4
[Top 5 Percent]	[16.4]	[15.8]	[15.9]	[14.9]	[15.5]	[14.7]	[15.6]	[14.7]	[15.5]	[14.8]	[15.7]	[15.1]

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports-Consumer Income, Money Income in 1975 of Families and Persons in the United States, June 1977 and Money Income and Poverty Status of Families and Persons in the United States: 1977, July 1978.

*North Central Region includes North Dakota, South Dakota, Minnesota, Nebraska, Missouri, Iowa, Kansas, Illinois, Indiana, Michigan, Ohio, and Wisconsin.

TABLE 4.27

NORTH DAKOTA INDIVIDUAL INCOME TAX RETURNS BY NORTH DAKOTA COUNTY, 1976

	Farm			Non-Farm		
County	# of Filers	Avg. Adj. Gross Income	Average Taxable Income	# of Filers	Avg. Adj. Gross Income	Average Taxable Income
Adams	332	$ 9,765	$ 5,102	1,078	$ 9,841	$4,553
Barnes	1,240	12,489	7,244	4,466	10,250	4,740
Benson	874	12,603	7,024	1,519	9,298	4,069
Billings	91	5,569	2,426	125	8,800	4,255
Bottineau	1,025	11,822	6,403	2,643	10,014	4,835
Bowman	563	11,241	6,193	1,347	10,542	4,982
Burke	596	10,389	5,578	1,056	9,634	4,672
Burleigh	743	10,069	5,119	20,474	11,766	5,720
Cass	1,591	18,348	11,144	33,282	12,077	6,014
Cavalier	1,023	14,739	8,711	2,401	10,107	4,775
Dickey	689	9,472	5,089	1,799	9,326	4,351
Divide	530	14,283	8,050	923	9,592	4,675
Dunn	536	5,843	2,267	654	7,573	3,135
Eddy	331	11,178	6,054	1,093	9,289	4,366
Emmons	869	7,792	3,486	1,228	8,188	3,607
Foster	519	13,641	7,376	1,403	9,791	4,570
Golden Valley	312	11,336	5,962	705	9,020	4,133
Grand Forks	1,143	19,803	11,979	19,831	11,290	5,549
Grant	633	6,295	2,472	820	7,967	3,412
Griggs	443	14,025	8,308	1,068	9,632	4,717
Hettinger	710	11,832	6,406	1,178	9,138	4,134
Kidder	549	7,146	3,412	828	8,274	3,713
La Moure	999	11,497	6,298	1,634	9,416	4,498
Logan	607	8,051	3,847	841	7,892	3,530
McHenry	1,088	8,359	4,125	2,203	8,968	4,205
McIntosh	580	8,151	3,664	1,074	8,871	3,829
McKenzie	609	9,402	4,799	1,230	9,724	4,873
McLean	1,309	10,899	5,953	3,215	10,303	4,981
Mercer	582	7,784	3,632	1,990	11,195	5,774
Morton	1,222	7,934	3,626	7,977	10,136	4,949
Mountrail	828	10,932	5,887	1,946	9,200	4,386
Nelson	714	13,496	7,673	1,677	9,915	4,866
Oliver	171	8,862	4,298	464	11,676	6,050
Pembina	1,089	23,274	13,950	3,567	10,478	5,266
Pierce	528	9,591	4,897	1,783	9,266	4,297
Ramsey	999	13,837	7,880	4,738	10,522	5,017
Ransom	637	9,694	5,064	1,986	9,915	4,795
Renville	487	12,346	6,937	1,047	9,971	4,714
Richland	1,301	14,133	7,755	5,448	9,831	4,787
Rolette	543	10,099	5,162	1,903	9,960	4,635
Sargent	691	10,243	5,694	1,602	9,612	4,690
Sheridan	414	11,161	6,149	596	9,215	4,310
Sioux	165	7,358	3,085	261	9,362	4,466
Slope	87	7,653	3,553	117	6,889	2,827
Stark	1,145	8,614	4,008	6,767	10,004	4,731

TABLE 4.27--*Continued*

County	Farm			Non-Farm		
	# of Filers	Avg. Adj. Gross Income	Average Taxable Income	# of Filers	Avg. Adj. Gross Income	Average Taxable Income
Steele	401	$19,012	$11,399	749	$10,900	$5,372
Stutsman	1,176	12,776	7,206	7,811	10,516	5,043
Towner	515	15,308	9,014	1,118	10,063	4,967
Traill	933	19,139	11,638	2,956	10,777	5,292
Walsh	1,431	20,072	11,631	5,429	9,652	4,765
Ward	1,503	11,961	6,502	18,193	11,023	5,297
Wells	878	12,858	7,250	2,097	9,669	4,662
Williams	1,309	13,397	7,639	6,571	11,200	5,526
Unknown	101	12,770	6,984	397	10,731	4,669

SOURCE: North Dakota Tax Department, unpublished data.

Note: These estimates are based on resident returns only and exclude fiduciary, amended, or delinquent returns.

TABLE 4.25

FEDERAL INDIVIDUAL INCOME TAX ITEMS BY NORTH DAKOTA COUNTY, 1974 (Thousands of Dollars)

County	# of Returns	# of Joint Returns	Adjusted Gross Income	Salaries & Wages	Interest	Dividends	Total Tax
NORTH DAKOTA	239,524	138,522	$2,510,390	$1,471,128	$119,332	$24,696	$356,495
Adams	1,548	950	15,462	7,050	919	131	2,300
Barnes	5,349	3,038	53,332	25,888	3,267	921	7,460
Benson	2,868	1,584	28,587	9,524	1,455	177	4,331
Billings	441	254	2,596	1,398	191	6	309
Bottineau	3,685	2,178	45,321	14,776	2,248	437	7,207
Bowman	1,706	989	19,461	6,880	1,078	395	3,063
Burke	1,634	987	18,839	6,175	1,051	66	2,899
Burleigh	18,728	10,545	194,902	156,850	8,293	2,888	26,079
Cass	32,231	17,153	366,210	270,315	16,243	4,945	52,904
Cavalier	4,151	2,490	49,257	24,702	2,106	218	7,159
Dickey	2,554	1,602	23,914	10,311	1,463	252	3,451
Divide	1,753	982	21,928	6,018	1,060	168	3,487
Dunn	1,572	990	10,956	4,410	808	80	1,291
Eddy	1,475	874	13,107	6,266	720	87	1,757
Emmons	2,051	1,298	14,968	6,592	1,040	125	1,725
Foster	1,787	1,113	18,513	7,970	1,163	171	2,718
Golden Valley	1,013	570	9,871	3,444	614	116	1,480
Grand Forks	23,396	13,096	238,508	183,879	8,892	2,445	32,526
Grant	1,491	983	10,714	3,972	859	75	1,470
Griggs	1,601	956	16,455	6,389	1,017	126	2,417
Hettinger	1,911	1,154	21,500	6,035	930	158	3,163
Kidder	1,483	964	10,060	4,640	769	62	1,262
La Moure	2,586	1,660	26,856	8,915	1,818	374	3,839
Logan	1,174	806	9,149	3,555	645	70	1,117
McHenry	3,312	2,028	30,439	13,450	1,794	175	4,203

TABLE 4.25--*Continued*

County	# of Returns	# of Joint Returns	Adjusted Gross Income	Salaries & Wages	Interest	Dividends	Total Tax
McIntosh	1,849	1,305	$ 13,919	$ 5,798	$ 1,058	$ 222	$ 1,725
McKenzie	1,899	1,157	19,364	8,347	1,073	82	2,819
McLean	4,025	2,508	43,446	18,040	2,155	216	6,260
Mercer	2,390	1,641	21,850	13,477	989	80	2,741
Morton	7,887	4,793	69,077	50,139	3,454	531	8,330
Mountrail	3,078	1,716	32,890	12,151	1,474	245	4,819
Nelson	2,254	1,298	24,026	8,500	1,478	157	3,633
Oliver	799	546	7,211	4,498	299	56	893
Pembina	4,596	2,736	58,525	26,175	2,336	882	9,774
Pierce	2,305	1,343	23,067	10,019	1,308	142	3,150
Ramsey	5,407	2,948	57,426	29,497	3,051	600	8,682
Ransom	2,613	1,651	28,046	13,400	1,602	221	3,942
Renville	1,568	939	20,221	5,650	871	153	3,141
Richland	6,630	3,843	78,179	34,185	3,808	369	11,896
Rolette	3,554	1,857	30,300	19,363	947	69	3,830
Sargent	2,143	1,369	23,315	10,906	1,141	251	3,380
Sheridan	1,050	723	9,841	3,403	574	63	1,256
Sioux	887	458	6,190	5,170	150	17	717
Slope	375	219	3,667	1,070	245	19	529
Stark	7,156	4,124	65,626	41,117	3,525	729	8,462
Steele	1,367	842	19,013	5,431	855	123	3,039
Stutsman	9,171	5,233	89,285	59,063	4,923	858	11,638
Towner	1,748	1,042	23,875	5,944	1,278	151	3,837
Traill	3,589	2,124	45,570	16,218	2,437	512	7,078
Walsh	6,394	3,488	74,994	32,479	3,551	348	12,586
Ward	22,920	13,417	239,754	175,208	8,694	2,288	32,942
Wells	2,857	1,720	30,341	10,896	1,822	213	4,364
Williams	7,513	4,265	80,461	45,583	3,789	440	11,416

SOURCE: Internal Revenue Service, Individual Income Tax Returns, Small Area Data, Supplemental Statistics of Income 1974.

TABLE 4.26

PERCENTAGE OF FEDERAL INCOME TAX RETURNS AND AMOUNT OF TAX PAID BY NORTH DAKOTA COUNTY, 1974

County	Percentage of Total Returns by Adjusted Gross Income Class				Percentage of Amount of Total Tax by Adjusted Gross Income Class			
	Under $5,000	$5,000 - $10,000	$10,000 - $15,000	$15,000 - or more	Under $5,000	$5,000 - $10,000	$10,000 - $15,000	$15,000 - or more
NORTH DAKOTA	35%	25%	18%	22%	3%	12%	17%	69%
Adams	36	24	18	20	3	11	20	66
Barnes	36	26	18	19	3	14	20	65
Benson	40	25	15	20	3	11	15	71
Billings	53	25	13	9	8	24	26	43
Bottineau	33	25	17	25	2	9	13	76
Bowman	34	26	17	23	2	10	13	74
Burke	32	25	18	25	2	10	16	72
Burleigh	34	23	19	23	3	12	19	67
Cass	34	22	19	25	2	10	16	71
Cavalier	31	25	15	29	2	10	13	75
Dickey	42	25	15	18	3	12	16	69
Divide	30	25	15	30	2	9	11	77
Dunn	47	28	14	11	5	21	23	50
Eddy	39	30	16	16	4	17	19	60
Emmons	47	28	13	12	6	22	22	51
Foster	36	28	17	20	3	12	14	71
Golden Valley	38	28	15	20	3	13	14	70
Grand Forks	34	27	18	20	3	13	18	66
Grant	50	27	13	11	6	17	18	59
Griggs	35	27	17	21	3	13	16	67

TABLE 4.26--*Continued*

County	Percentage of Total Returns by Adjusted Gross Income Class				Percentage of Amount of Total Tax by Adjusted Gross Income Class			
	Under $5,000	$5,000 - $10,000	$10,000 - $15,000	$15,000 - or more	Under $5,000	$5,000 - $10,000	$10,000 - $15,000	$15,000 - or more
Hettinger	36%	25%	15%	23%	2%	11%	13%	74%
Kidder	49	28	12	12	6	20	19	55
La Moure	35	28	16	21	3	13	15	69
Logan	43	29	15	13	5	19	21	54
McHenry	37	28	17	18	3	16	21	61
McIntosh	45	28	14	13	6	20	21	53
McKenzie	34	25	18	22	2	12	18	67
McLean	32	25	19	23	2	12	18	68
Mercer	36	25	20	19	3	15	25	57
Morton	37	27	19	17	4	17	24	56
Mountrail	36	26	16	23	2	12	15	71
Nelson	33	28	17	21	3	13	16	68
Oliver	35	25	21	19	4	14	28	55
Pembina	32	25	18	26	2	8	12	78
Pierce	39	23	16	22	3	12	16	69
Ramsey	38	23	18	21	2	10	16	72
Ransom	31	27	20	22	2	13	19	66
Renville	28	27	17	29	2	10	12	76
Richland	34	25	17	24	2	10	13	75
Rolette	43	27	15	15	3	14	18	65
Sargent	28	28	23	20	2	13	20	64
Sheridan	34	29	18	18	4	16	23	57
Sioux	46	25	15	14	5	21	25	50
Slope	37	29	16	18	3	14	16	67
Stark	39	26	18	17	3	14	20	63

TABLE 4.26--*Continued*

County	Percentage of Total Returns by Adusted Gross Income Class				Percentage of Amount of Total Tax by Adjusted Gross Income Class			
	Under $5,000	$5,000 - $10,000	$10,000 - $15,000	$15,000 - or more	Under $5,000	$5,000 - $10,000	$10,000 - $15,000	$15,000 - or more
Steele	26%	26%	18%	30%	2%	9%	12%	77%
Stutsman	36	26	18	20	3	14	20	63
Towner	29	23	17	32	1	8	11	79
Traill	30	25	17	28	2	9	13	76
Walsh	35	27	18	20	2	10	13	76
Ward	32	27	19	22	3	13	18	66
Wells	35	26	16	23	3	12	16	69
Williams	35	24	18	23	2	11	17	70

SOURCE: Computed from Internal Revenue Service, Individual Income Tax Returns, Small Area Data, Supplemental Statistics of Income 1974.

5.00

LABOR FORCE, EMPLOYMENT, AND EARNINGS

Labor market statistics are among the most widely used and readily available measures of economic activity and general welfare. Frequent users of labor force data include public policymakers, business firms making relocation decisions, and educational institutions seeking a basis for program planning. In recent years employment statistics have taken on increasing significance for state and local planners due to the federal government's practice of formula-funding "revenue sharing" programs partly on the basis of relative levels of unemployment. Another growing use of labor force data is in designing and carrying out affirmative action and other human resource development programs.

There are a number of excellent source documents for labor force statistics. Job Service North Dakota (formerly the North Dakota Employment Security Bureau) publishes a monthly bulletin entitled *Prairie Employer Review* (previously *Employment Trends*) with estimates of the labor force, unemployment, and employment by industry for the state. Also included are series on hours, earnings, and turnover in selected industries. Annualized data can be obtained from the Bureau's *Annual Report*. The Employment Security Bureau has also published *North Dakota Manpower Projections* to 1985, containing estimates of expected employment by highly detailed industrial and occupational categories.

Employment statistics for North Dakota counties are available from computer printouts of data contained in the Regional Economics Information System of the U.S. Commerce Department's Bureau of Economic Analysis. Principal source of this data is Job Service North Dakota.

U.S. Bureau of Labor Statistics publications referenced in this section include *Employment and Earnings*, published monthly, the annual *Handbook of Labor Statistics*, and the *Directory of National Unions and Employee Associations*. Additional sources of data contained in this section are the North Dakota Crop and Livestock Reporting Service's *North Dakota Crop and Livestock Statistics*, which reports farm wages, and the U.S. Department of Commerce's *County Business Patterns*, which includes county-level data on taxable payrolls by industry.

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TABLE 5.01

NORTH DAKOTA LABOR FORCE, EMPLOYMENT STATUS AND UNEMPLOYMENT RATE, 1970-1978

		Labor Force	Number Employed	Number Unemployed	Unemployment Rate
1970		238,740	227,620	11,120	4.7%
1971		244,550	231,460	13,090	5.4
1972		253,500	241,030	12,470	4.9
1973		259,540	247,280	12,260	4.7
1974		271,540	259,150	12,390	4.6
1975		280,830	266,320	14,510	5.2
1976		295,350	280,380	14,970	5.1
1977	Jan.	278,650	258,430	20,220	7.3
	Feb.	283,680	262,950	20,730	7.3
	Mar.	299,220	277,400	21,820	7.3
	Apr.	304,600	286,660	17,940	5.9
	May	321,360	305,580	15,780	4.9
	June	329,070	311,530	17,540	5.3
	July	329,780	314,120	15,660	4.7
	Aug.	339,930	324,430	15,500	4.6
	Sept.	323,630	310,880	12,750	3.9
	Oct.	313,760	301,050	12,710	4.1
	Nov.	299,190	283,960	15,230	5.1
	Dec.	292,320	275,610	16,710	5.7
	Annual	309,600	292,720	16,880	5.5
1978	Jan.	288,530	267,620	20,910	7.2
	Feb.	287,920	270,460	17,460	6.1
	Mar.	299,530	283,200	16,330	5.5
	Apr.	309,260	294,890	14,370	4.6
	May	323,790	312,490	11,300	3.5
	June	331,080	316,330	14,750	4.5
	July	345,390	331,800	13,590	3.9
	Aug.	350,440	338,450	11,990	3.4
	Sept.	330,850	320,630	10,220	3.1
	Oct.	319,270	309,570	9,700	3.0
	Nov.	306,990	292,890	14,100	4.6
	Dec.	299,320	284,290	15,030	5.0
	Annual	316,030	301,880	14,150	4.5

SOURCE: North Dakota Employment Security Bureau, Employment Trends, monthly data. Annual data from Employment Security Bureau, unpublished data. (Not Current Population Survey adjusted).

TABLE 5.03

NORTH DAKOTA LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT BY PLANNING REGION AND COUNTY, 1977 AND 1978

Region and County	1977			1978		
	Labor Force	Emp.	Unemp.	Labor Force	Emp.	Unemp.
Region 1						
Divide	1,898	1,805	93	1,823	1,761	62
McKenzie	2,873	2,739	134	2,931	2,822	109
Williams	10,067	9,612	455	10,247	9,933	314
Region 1 Total	14,838	14,156	682	15,001	14,516	485
Region 2						
Bottineau	4,431	4,160	271	4,379	4,148	231
Burke	2,126	2,039	87	2,082	2,010	72
McHenry	3,659	3,267	392	3,593	3,251	342
Mountrail	3,890	3,635	255	3,843	3,636	207
Pierce	3,375	3,212	163	3,281	3,138	143
Renville	1,695	1,625	70	1,678	1,624	54
Ward	25,781	24,362	1,419	25,513	24,319	1,194
Region 2 Total	44,957	42,300	2,657	44,367	42,124	2,243
Region 3						
Benson	3,338	3,079	259	3,427	3,170	257
Cavalier	4,659	4,354	305	4,132	3,869	263
Eddy	1,933	1,778	155	1,943	1,783	160
Ramsey	6,997	6,609	388	6,990	6,662	328
Rolette	4,659	4,132	527	4,727	4,278	449
Towner	2,182	2,101	81	2,137	2,071	66
Region 3 Total	23,768	22,053	1,715	23,355	21,834	1,521
Region 4						
Grand Forks	29,870	28,328	1,542	29,208	27,882	1,326
Nelson	3,005	2,849	156	2,920	2,791	129
Pembina	6,025	5,579	446	5,805	5,429	376
Walsh	8,532	8,011	521	8,438	7,941	496
Region 4 Total	47,432	44,767	2,665	46,370	44,043	2,327
Region 5						
Cass	42,949	41,281	1,668	45,384	43,787	1,597
Ransom	3,226	3,082	144	3,174	3,063	111
Richland	8,832	8,226	606	8,658	8,250	408
Sargent	2,968	2,759	209	2,682	2,559	123
Steele	1,590	1,526	64	1,543	1,495	48
Traill	4,945	4,663	282	4,970	4,740	230
Region 5 Total	64,510	61,537	2,973	66,411	63,895	2,516
Region 6						
Barnes	7,184	6,826	358	7,021	6,740	281
Dickey	3,651	3,510	141	3,648	3,535	113
Foster	2,358	2,233	125	2,396	2,302	94
Griggs	2,114	1,981	133	1,933	1,855	79
La Moure	2,858	2,753	105	2,850	2,755	95
Logan	1,690	1,591	99	1,683	1,594	89
McIntosh	2,590	2,471	119	2,539	2,449	90
Stutsman	12,235	11,689	546	12,329	11,853	477
Wells	3,626	3,428	198	3,536	3,355	181
Region 6 Total	38,306	36,482	1,824	37,935	36,436	1,498
Region 7						
Burleigh	25,965	24,619	1,346	27,054	25,895	1,159
Emmons	2,702	2,487	215	2,636	2,469	167
Grant	1,926	1,817	109	1,942	1,836	106

TABLE 5.03--*Continued*

Region and County	1977			1978		
	Labor Force	Emp.	Unemp.	Labor Force	Emp.	Unemp.
Kidder	1,728	1,565	163	1,728	1,579	149
McLean	5,439	5,047	392	6,029	5,691	338
Mercer	3,478	3,288	190	3,799	3,650	149
Morton	9,624	8,961	663	10,030	9,431	599
Oliver	1,708	1,640	68	1,388	1,326	62
Sheridan	1,524	1,414	110	1,486	1,370	116
Sioux	1,476	1,364	112	1,418	1,310	109
Region 7 Total	55,570	52,202	3,368	57,510	54,558	2,952
Region 8						
Adams	2,154	2,106	48	2,139	2,092	47
Billings	663	612	51	682	648	35
Bowman	2,184	2,117	67	2,221	2,162	59
Dunn	1,921	1,772	149	2,013	1,891	122
Golden Valley	1,294	1,242	52	1,233	1,188	45
Hettinger	2,050	1,966	84	2,068	1,977	91
Slope	615	580	35	602	567	35
Stark	9,603	9,078	525	9,957	9,505	452
Region 8 Total	20,484	19,473	1,011	20,917	20,031	886

SOURCE: North Dakota Employment Security Bureau, Research and Statistics Division, Form NDRS - 31d (Annual Averages, not Current Population Survey adjusted).

Note: Refer to page 2 for North Dakota Planning and Development Regions.

TABLE 4.28

PERSONAL WEALTH--ASSETS AND NET WORTH OF TOP WEALTHHOLDERS[3] BY STATE, 1962 AND 1972

State	1962						1972					
	Number of Top Wealthholders (1,000)			Total Assets			Number of Top Wealthholders (1,000)			Total Assets		
					Percent						Percent	
	Total	Male	Female	Total (bil. $)	Corporate Stock	Real Estate	Total	Male	Female	Total (bil. $)	Corporate Stock	Real Estate
Total	4,132.2	2,538.6	1,593.6	$752.0	43.3%	25.0%	12,815.2	7,809.6	5,005.7	$2,151.9	29.2%	30.0%
Ala.	31.5	21.3	10.1	5.0	26.7	36.6	123.5	75.4	48.1	21.3	27.2	34.4
Alaska	1.1	1.1	(1)	.2	20.4	53.3	8.8	7.7	1.1	1.5	22.4	47.4
Ariz.	31.4	17.2	14.2	17.7	71.7	12.9	87.6	55.0	32.6	17.6	32.9	27.5
Ark.	23.8	18.3	5.5	3.9	27.6	35.3	54.9	35.1	19.8	9.6	22.3	32.3
Calif.	477.9	231.2	246.7	97.9	40.2	31.9	1,237.6	609.6	628.0	242.4	29.6	29.9
Colo.	54.4	35.8	18.7	8.4	32.0	33.8	178.6	99.9	78.7	25.4	26.2	31.1
Conn.	79.8	48.0	31.8	15.4	52.9	19.7	266.6	143.2	123.4	57.8	37.9	23.6
Del.	14.0	9.0	5.0	3.3	51.9	26.1	42.5	21.3	21.1	7.3	17.8	31.8
D.C.	21.2	9.9	11.2	4.4	46.1	18.0	(2)	(2)	(2)	(2)	(2)	(2)
Fla.	153.1	95.6	57.5	28.0	40.3	29.2	572.4	334.5	237.9	131.0	34.6	26.1
Ga.	66.1	38.0	28.1	13.4	37.8	26.9	219.1	161.2	57.9	44.1	24.4	36.8
Hawaii	11.3	7.7	3.6	1.9	36.6	42.0	53.7	37.5	16.3	7.9	23.6	40.4
Idaho	11.6	5.4	6.2	1.8	37.3	33.1	67.6	22.4	45.3	7.5	22.3	35.7
Ill.	247.8	148.3	99.5	41.2	40.6	27.4	834.2	445.6	388.6	132.2	24.9	31.1
Ind.	84.7	60.9	23.8	12.9	42.1	26.9	350.2	230.1	120.1	45.3	23.2	33.9
Iowa	97.4	72.2	25.2	10.6	17.0	43.2	328.8	204.0	124.9	38.7	14.8	42.7
Kans.	62.5	43.4	19.1	8.8	24.6	38.8	183.1	125.4	57.7	31.3	25.4	35.4
Ky.	40.5	25.3	15.2	6.1	35.5	28.7	135.7	86.2	49.6	24.6	26.5	27.2
La.	42.8	24.4	18.4	7.0	25.1	36.9	125.9	68.1	57.8	23.0	32.2	32.8
Maine	17.3	9.6	7.7	3.7	49.6	12.3	76.7	55.8	20.9	12.0	31.1	25.0

TABLE 4.28--*Continued*

	1962						1972					
	Number of Top Wealth-holders (1,000)			Total Assets			Number of Top Wealth-holders (1,000)			Total Assets		
					Percent						Percent	
State	Total	Male	Female	Total (bil. $)	Corporate Stock	Real Estate	Total	Male	Female	Total (bil. $)	Corporate Stock	Real Estate
Md.	63.2	42.7	20.6	$ 10.5	42.9%	24.5%	200.7[2]	125.9[2]	74.8[2]	$ 43.6[2]	33.0%[2]	28.5%[2]
Mass.	115.7	70.5	45.2	21.5	51.5	17.6	344.0	210.9	133.1	62.3	27.8	22.7
Mich.	118.9	81.5	37.4	23.4	44.3	21.8	382.3	259.8	122.5	65.3	28.8	29.6
Minn.	89.7	66.4	23.3	13.5	41.3	28.2	350.1	240.6	109.5	40.9	19.6	32.3
Miss.	26.7	21.2	5.5	4.2	30.0	26.6	93.7	53.7	40.0	14.1	19.7	40.1
Mo.	69.9	46.8	23.1	13.4	46.9	21.8	205.1	144.5	60.6	40.6	32.5	26.2
Mont.	21.0	14.1	6.8	2.3	21.6	37.3	77.3	46.0	31.4	11.1	16.5	38.6
Nebr.	45.1	32.6	12.6	6.0	19.2	43.0	184.5	131.4	53.2	24.3	10.0	43.5
Nev.	10.3	6.0	4.3	2.5	36.0	32.2	17.2	8.5	8.7	4.5	26.7	38.9
N.H.	11.8	7.9	3.9	2.8	45.1	12.6	40.7	15.3	25.4	7.7	32.0	24.5
N.J.	184.0	115.5	68.5	28.9	45.9	20.8	597.9	379.5	218.4	100.6	34.5	27.9
N. Mex.	14.9	7.4	7.5	1.9	30.4	36.3	50.7	43.5	7.3	7.6	36.4	30.6
N.Y.	613.1	366.7	246.4	116.4	51.2	15.6	1,581.7	1,015.4	566.3	236.6	34.0	24.4
N.C.	65.5	48.6	16.9	12.1	40.1	29.5	244.5	178.0	66.5	37.7	28.4	37.8
N. DAK.	12.7	9.2	3.5	1.5	14.8	45.2	89.5	56.9	32.6	10.0	7.0	52.4
Ohio	186.1	110.4	75.7	33.9	43.9	21.1	667.1	417.2	249.9	115.1	35.5	24.0
Okla.	50.2	36.9	13.3	8.1	28.2	33.3	147.6	98.7	49.0	20.4	20.9	41.2
Oreg.	42.6	29.1	13.6	6.6	27.6	32.0	95.4	65.9	29.5	17.0	26.4	30.3
Pa.	220.4	144.9	75.5	45.3	54.7	16.4	560.9	320.7	240.2	92.6	36.5	24.5
R.I.	18.3	11.2	7.1	3.5	49.9	18.3	46.2	25.2	20.9	6.7	28.3	30.0
S.C.	31.1	23.3	7.8	4.2	29.8	37.1	113.6	84.7	29.0	17.1	19.8	46.9
S. Dak.	16.1	13.3	2.9	2.0	21.9	36.6	42.8	31.5	11.3	6.2	15.2	34.5
Tenn.	42.4	30.0	12.4	8.7	40.6	24.6	205.3	137.9	67.4	29.4	27.4	32.2
Tex.	194.1	95.6	98.5	40.8	39.5	32.2	563.2	310.1	253.1	119.4	24.8	38.8
Utah	10.1	7.0	3.1	1.7	33.0	25.5	28.4	20.0	8.4	4.7	21.3	35.0

TABLE 4.28--*Continued*

State	1962						1972					
	Number of Top Wealthholders (1,000)			Total Assets			Number of Top Wealthholders (1,000)			Total Assets		
				Total (bil. $)	Percent					Total (bil. $)	Percent	
	Total	Male	Female		Corporate Stock	Real Estate	Total	Male	Female		Corporate Stock	Real Estate
Vt.	8.0	5.4	2.7	$ 1.0	49.1%	20.5%	26.7	21.0	5.6	$ 3.0	30.3%	27.0%
Va.	77.3	47.4	29.8	11.8	42.0	27.3	242.2	142.1	100.1	40.7	29.7	34.4
Wash.	63.1	29.0	34.2	8.9	33.2	33.7	187.5	81.7	105.8	27.0	28.5	28.4
W. Va.	22.8	16.1	6.7	5.4	52.3	24.1	52.2	23.8	28.3	7.9	33.8	25.0
Wis.	97.7	66.6	31.1	12.3	36.9	26.1	392.0	280.3	111.8	49.2	27.8	27.4
Wyo.	9.0	6.9	2.1	2.2	38.7	31.1	15.6	7.7	7.9	4.5	23.9	37.0
Other Areas	10.2	6.0	4.1	2.7	58.9	44.3	20.7	13.1	7.6	3.7	28.3	21.1

SOURCE: Statistical Abstract of the United States, 1976, Table 692.

[1] Estimate not shown separately because of high sampling variability.

[2] District of Columbia included with Maryland.

[3] Estimates based on estate tax returns showing gross assets of $60,000 or more filed with Internal Revenue Service.

TABLE 5.02

LABOR FORCE, UNEMPLOYMENT, AND EMPLOYMENT BY INDUSTRY, NORTH DAKOTA, 1970-1978

Item[1]	1970	1971	1972	1973	1974	1975	1976	1977	1978	Percent Change 1970-1978
Total Civilian Labor Force	238,740	244,550	253,500	259,540	271,540	280,830	295,350	309,600	316,030	32.4%
Unemployment	11,120	13,090	12,470	12,260	12,390	14,510	14,970	16,880	14,150	27.2%
Rate of Unemployment	4.7%	5.4%	4.9%	4.7%	4.6%	5.2%	5.1%	5.5%	4.5%	-4.3%
Total Employment	227,620	231,460	241,030	247,280	259,150	266,320	280,380	292,720	301,880	32.6%
Total Ag. Employment[2]	51,920	51,410	51,580	51,080	52,670	48,750	51,250	56,750	54,270	4.5%
Ag. Self-Employed	42,750	42,080	42,910	42,160	43,420	39,580	41,750	46,330	44,130	3.2%
Ag. Wage & Salary	9,170	9,330	8,670	8,920	9,250	9,170	9,500	10,420	10,140	10.6%
Total Non-Ag. Emp.	175,700	180,050	189,450	196,200	206,480	217,570	229,130	235,970	247,610	40.9%
Non-Ag. Self Emp.	26,790	27,580	28,230	27,970	28,830	30,660	31,640	32,900	34,050	27.1%
Adj. Wage & Salary Emp.	148,910	152,470	161,220	168,230	177,650	186,910	197,490	203,070	213,560	43.4%
Conceptual Diff.[3]	-14,320	-14,430	-15,140	-15,650	-16,140	-16,680	-17,470	-18,020	-18,640	
Wage & Salary Emp.	163,230	166,900	176,360	183,880	193,790	203,590	214,960	221,090	232,200	36.7%
Mining	1,610	1,610	1,570	1,690	1,800	2,100	2,520	3,060	4,360	170.8%
Construction	9,790	10,380	11,920	11,830	12,910	13,860	15,860	16,450	18,640	90.4%
Manufacturing	9,910	10,160	10,860	12,600	14,740	16,200	16,150	15,300	15,780	59.2%
Trans., Comm., Util.	12,200	12,250	12,290	12,630	12,910	12,720	13,150	13,760	14,710	20.6%
Wholesale Trade	43,890[5]	44,790[5]	47,700[5]	15,280	16,180	17,000	17,950	18,750	20,130	47.3%
Retail Trade				35,660	37,250	39,570	42,760	43,550	44,520	
Fin., Ins., Real Est.	7,040	7,190	7,440	7,760	8,170	8,550	9,140	9,880	10,500	49.1%
Services	29,550	31,240	33,210	34,290	36,570	39,070	41,230	42,810	45,070	52.5%
Government	49,240	49,280	51,300	52,140	53,260	54,520	56,200	57,530	58,490	18.8%

SOURCE: North Dakota Employment Security Bureau, Research and Statistics Division, Form NDRS - 31a (Annual Averages, not Current Population Survey adjusted).

[1] Agricultural estimates rounded to the nearest thousandth. All other estimates rounded to the nearest tenth.
[2] Derived from estimates prepared by the Statistical Reporting Service, U. S. Department of Agriculture.
[3] Converts employment from number of jobs by place of work to persons working by place of residence.
[4] Prepared in cooperation with the United States Department of Labor.
[5] Combined wholesale and retail trade.

TABLE 5.04

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, UNITED STATES AND NORTH DAKOTA, 1977

Industry	United States	Percentage Distribution United States	North Dakota	Percentage Distribution North Dakota
Total Employment	97,848,874	100.0%	322,112	100.0%
Number of Proprietors	9,053,874	9.3	66,706	20.1
Farm	2,819,874	2.9	45,120	13.6
Non-Farm	6,234,000	6.4	21,586	6.5
Total Wage & Salary Employment	88,795,000	90.7	255,406	76.9
Farm	1,333,000	1.4	8,400	2.5
Non- Farm	8,462,000	89.4	247,006	74.4
Ag. Services, other	403,000	.4	1,277	.4
Mining	824,000	.8	2,994	.9
Construction	3,878,000	4.0	16,185	4.9
Manufacturing	19,696,000	20.1	15,114	4.6
Transportation & Public Utilities	4,706,000	4.8	13,602	4.1
Wholesale Trade	4,740,000	4.8	18,727	5.6
Retail Trade	13,871,000	14.2	43,925	13.2
Finance, Insurance & Real Estate	4,519,000	4.6	9,832	3.0
Services	17,030,000	17.4	47,699	14.4
Government	17,795,000	18.2	77,651	23.4
Federal Civilian	2,864,000	2.9	10,240	3.1
Federal Military	2,380,000	2.4	15,791	4.8
State & Local	12,551,000	12.8	51,620	15.5

SOURCE: U. S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 5.05

NORTH DAKOTA EMPLOYMENT BY PLACE OF WORK BY COUNTY, 1977

County	Total Employment	Number of Proprietors	Farm Proprietors	Non-Farm Proprietors	Total Wage & Salary Employment	Farm	Private	Government
Adams	1,995	713	513	200	1,282	81	824	377
Barnes	6,497	1,860	1,346	514	4,637	196	3,112	1,329
Benson	3,447	1,361	1,073	288	2,086	163	1,216	707
Billings	637	303	284	19	334	25	188	121
Bottineau	4,360	1,654	1,261	393	2,706	195	1,598	913
Bowman	2,216	650	402	248	1,566	74	1,053	439
Burke	2,047	856	694	162	1,191	65	618	508
Burleigh	26,820	2,516	866	1,650	24,304	204	17,725	6,375
Cass	51,755	4,180	1,625	2,555	47,575	503	38,810	8,262
Cavalier	4,054	1,540	1,162	378	2,514	129	1,483	902
Dickey	3,911	1,140	819	321	2,771	171	1,489	1,111
Divide	2,399	878	735	143	1,521	85	540	896
Dunn	1,838	956	824	132	882	104	778	343
Eddy	1,725	570	413	157	1,155	59	777	319
Emmons	2,525	1,216	986	230	1,309	71	718	520
Foster	2,226	594	387	207	1,632	97	1,107	428
Golden Valley	1,157	454	308	146	703	51	476	176
Grand Forks	32,774	2,582	1,219	1,363	30,192	605	16,617	12,970
Grant	1,944	1,046	869	177	898	87	454	357
Griggs	1,855	744	572	172	1,111	75	624	412
Hettinger	2,118	850	646	204	1,268	123	654	491
Kidder	1,743	803	645	158	940	80	409	451
La Moure	3,001	1,261	962	299	1,740	130	880	730
Logan	1,607	816	692	124	791	39	441	311
McHenry	3,546	1,508	1,203	305	2,038	171	995	872
McIntosh	2,368	930	717	213	1,438	66	945	427
McKenzie	3,018	1,139	946	193	1,879	137	1,255	487
McLean	5,722	1,827	1,395	432	3,895	134	2,688	1,073

TABLE 5.05--*Continued*

County	Total Employment	Number of Proprietors	Farm Proprietors	Non-Farm Proprietors	Total Wage & Salary Employment	Farm	Private	Government
Mercer	3,501	931	689	242	2,570	55	1,993	522
Morton	9,709	1,904	1,137	767	7,805	119	5,971	1,715
Mountrail	3,909	1,420	1,084	336	2,489	118	1,445	926
Nelson	2,824	1,036	800	236	1,788	118	1,112	558
Oliver	1,309	449	412	37	860	53	661	146
Pembina	5,493	1,463	1,018	445	4,030	677	2,353	1,000
Pierce	2,800	934	714	220	1,866	81	1,352	433
Ramsey	6,600	1,402	840	562	5,198	135	3,760	1,303
Ransom	3,065	979	681	298	2,086	117	1,421	548
Renville	1,716	766	580	186	950	74	503	373
Richland	8,304	2,195	1,577	618	6,109	364	3,878	1,867
Rolette	5,160	906	654	252	4,254	76	2,512	1,666
Sargent	2,571	926	736	190	1,645	92	1,100	453
Sheridan	1,352	722	596	126	630	39	320	271
Sioux	1,414	325	277	48	1,089	29	479	581
Slope	670	375	356	19	295	68	58	169
Stark	9,087	1,622	932	690	7,465	123	5,892	1,450
Steele	1,752	734	611	123	1,018	127	390	501
Stutsman	12,688	2,049	1,319	730	10,639	248	7,031	3,360
Towner	2,098	914	728	186	1,184	143	683	358
Traill	4,547	1,367	922	445	3,180	323	1,986	871
Walsh	8,446	1,987	1,317	670	6,459	794	3,438	2,227
Ward	30,400	3,191	1,499	1,692	27,209	202	15,414	11,593
Wells	3,313	1,239	910	329	2,074	127	1,265	682
Williams	10,079	1,923	1,167	756	8,156	178	6,207	1,771
NORTH DAKOTA	322,112	66,706	45,120	21,586	255,406	8,400	169,355	77,651

SOURCE: U. S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

NOTE: Includes both full and part time employment.

TABLE 5.06

NON-AGRICULTURAL EMPLOYMENT BY INDUSTRY BY NORTH DAKOTA COUNTY, 1977

County	Ag. Services Forestry & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insurance & Real Estate	Services	Government	State & Local Government
Adams	23	D	D	35	47	345	31	273	377	324
Barnes	D	D	305	157	147	1,395	138	948	1,329	1,124
Benson	D	D	122	284	46	278	52	418	707	559
Billings	L	86	L	---	D	19*	D	D	121	68
Bottineau	24	92	123	93	128	625	87	426	913	734
Bowman	18	191	73	16	50	420	45	240	439	384
Burke	L	101	32	15	92	207	65	102	508	407
Burleigh	33	139	1,978	1,399	1,528	6,201	1,016	5,431	6,375	5,122
Cass	D	D	3,176	4,075	2,943	14,741	3,124	10,596	8,262	5,842
Cavalier	D	D	156	39	196	508	82	481	902	727
Dickey	D	D	95	152	63	600	73	495	1,111	998
Divide	D	25	40	22	D	210	39	183	896	627
Dunn	11	D	51	L	17	143	25	D	343	272
Eddy	L	24	89	10	43	249	48	308	319	262
Emmons	D	D	85	46	48	304	40	182	520	424
Foster	15	L	161	44	102	417	68	295	428	359
Golden Valley	L	L	20	21	39	213	45	120	176	134
Grand Forks	D	D	1,471	1,477	1,601	6,713	924	4,339	12,970	5,761
Grant	D	D	22	11	22	196	37	155	357	281
Griggs	L	---	34	90	31	274	40	146	412	352
Hettinger	D	D	93	19	40	279	41	169	491	415
Kidder	L		32	24	51	161	29	104	451	384
La Moure	12	66	---	53	54	463	76	156	730	620
Logan	L	---	38	21	11	239	31	99	311	251
McHenry	14	27	151	61	152	327	57	206	872	734

TABLE 5.06--*Continued*

County	Ag. Services Forestry & Other	Mining	Constru-tion	Manufac-turing	Transporta-tion & Public Utilities	Wholesale & Retail Trade	Finance, Insurance & Real Estate	Services	Govern-ment	State & Local Gov-ernment
McIntosh	L	---	38	66	39	345	45	405	427	356
McKenzie	D	276	95	12	D	339	39	347	487	381
McLean	22	66	1,083	42	181	655	87	552	1,073	805
Mercer	10	296	325	33	308	674	49	298	522	437
Morton	32	28	699	863	680	1,779	239	1,651	1,715	1,410
Mountrail	14	32	58	90	76	492	67	616	926	633
Nelson	D	D	99	62	80	426	58	374	558	464
Oliver	D	D	---	373	D	71	L	40	146	118
Pembina	D	D	273	420	163	769	103	544	1,000	787
Pierce	15	L	86	109	99	579	67	395	433	344
Ramsey	D	D	267	109	212	1,723	190	1,246	1,303	1,039
Ransom	14	L	75	244	157	552	71	307	548	457
Renville	L	62	37	L	26	201	21	141	373	314
Richland	D	D	361	824	263	1,337	158	843	1,867	1,569
Rolette	D	D	279	183	65	559	117	1,296	1,666	1,106
Sargent	D	D	32	587	51	224	34	152	453	357
Sheridan	D	D	50	18	11	97	32	D	271	207
Sioux	L	D	18	21	L	67	D	356	581	259
Slope	L	D	D	---	D	D	L	19	169	147
Stark	27	252	482	571	437	2,097	260	1,766	1,450	1,187
Steele	L	---	27	37	42	166	38	76	501	307
Stutsman	46	41	666	929	576	2,364	363	2,046	3,360	2,956
Towner	L	L	50	18	51	280	55	220	358	296
Traill	68	L	90	281	151	745	104	542	871	759
Walsh	122	31	394	190	238	1,316	200	947	2,227	2,029

TABLE 5.06--*Continued*

County	Ag. Services Forestry & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insurance & Real Estate	Services	Government	State & Local Government
Ward	52	106	1,204	856	1,431	6,346	873	4,536	11,593	3,659
Wells	D	D	107	35	103	579	70	351	682	537
Williams	44	734	430	343	1,227	2,259	257	1,628	1,771	1,535
NORTH DAKOTA	1,277	2,994	16,185	15,114	13,602	62,628	9,832	47,699	77,651	51,620

SOURCE: Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

I Includes State and Local Government totals.

D Not shown to avoid disclosure of confidential information.

L Less than 10 wage & salary jobs.

* Retail only, wholesale deleted to protect confidentiality.

TABLE 5.11

ACTUAL AND PROJECTED NORTH DAKOTA EMPLOYMENT IN THE 25 LARGEST OCCUPATIONS, ESTIMATED 1977 AND PROJECTED 1985

Occupation	Estimated 1977 Employment		Projected 1985 Employment	
	Number	Pct. of Total Empl.	Number	Pct. of Total Empl.
Farmers (Owners & Tenants)	37,845	13.68%	34,758	11.61%
Other Managers, Administrators[a]	19,717	7.13	21,660	7.24
Sales Workers NEC[b]	11,288	4.08	12,857	4.30
Farm Laborers (Wage Workers)	9,307	3.36	7,717	2.58
Farm Laborers (Unpaid Family)	7,422	2.68	7,757	2.59
Secretaries (Other)[c]	6,813	2.46	8,542	2.85
Bookkeepers	5,970	2.16	6,277	2.10
Elementary School Teachers	5,930	2.14	5,904	1.97
Waiters	5,732	2.07	6,421	2.15
Truck Drivers	4,676	1.69	5,240	1.75
Carpenters & Apprentices	4,475	1.62	4,755	1.59
Cooks (exc. Private)	4,239	1.53	4,757	1.59
Janitors & Sextons	4,220	1.53	4,563	1.52
Nurses Aides, Orderlies	4,132	1.49	4,919	1.64
Secondary School Teachers	3,999	1.45	3,432	1.15
Auto Mechanics & Apprentices	3,300	1.19	3,739	1.25
Misc. Clerical Workers NEC[d]	3,109	1.12	4,458	1.49
Cashiers	2,717	.98	2,975	.99
Bldg. Interior Cleaners NEC	2,657	.96	3,332	1.11
Child Care Workers (Priv. HH)	2,638	.95	2,540	.85
Garage Workers, Gas Sta. Attend.	2,464	.89	2,353	.79
Registered Nurses	2,302	.83	2,453	.82
Delivery & Route Workers	2,286	.83	2,636	.88
Construction Laborers (exc. Carpenter Help)	1,987	.72	e	e
Bartenders	1,85[illegible]	.67	e	e
Excavating, Grading Mach. Operators	e	e	2,406	.80
Bank, Financial Managers	e	e	2,201	.74
EMPLOYMENT IN TOP 25 OCCUPATIONS	161,076	58.21	129,287	54.81

SOURCE: North Dakota Employment Security Bureau, North Dakota Manpower Projections to 1985, January 1977.

[a] Excludes such categories as Sales Managers, Health Administrators, School Administrators, Office Managers, Restaurant Managers and other specified titles.

[b] Primari[illegible]tail sales; excludes such categories as Insurance and Real Estate Sales.

[c] Excludes Legal and Medical Secretaries and Stenographers and Typists classified specifically.

[d] Excludes such categories as Bookkeepers, Cashiers, Bank Tellers, Receptionists, Mail Carriers and other specified titles.

[e] Not projected to be among 25 largest occupations.

TABLE 5.12

NUMBER OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, BY EMPLOYMENT SIZE CLASS, 1976

County	Total # of Establishments	Number of Employees						
		1-4	5-9	10-19	20-49	50-99	100-249	250+
NORTH DAKOTA	15,101							
Adams	110	71	24	9	5	--	1	-
Barnes	351	222	61	36	25	5	2	-
Benson	141	110	17	9	3	--	2	-
Billings	8	8	---	---	---	--	--	-
Bottineau	227	155	44	19	7	1	1	-
Bowman	140	82	38	12	6	2	--	-
Burke	93	63	20	7	3	--	--	-
Burleigh	1,275	712	262	141	105	52	18	5
Cass	2,287	1,184	414	321	248	68	45	7
Cavalier	210	154	29	15	6	3	2	1
Dickey	176	117	30	15	12	2	--	-
Divide	93	60	23	8	1	1	--	-
Dunn	63	51	10	2	---	--	--	-
Eddy	100	69	19	9	2	1	--	-
Emmons	125	91	23	6	5	--	--	-
Foster	159	106	29	16	8	--	--	-
Golden Valley	79	62	7	8	1	1	--	-
Grand Forks	1,270	693	254	183	93	33	11	3
Grant	79	61	14	2	1	1	--	-
Griggs	92	66	16	5	3	1	1	-
Hettinger	111	74	17	17	3	--	--	-
Kidder	67	53	7	5	2	--	--	-
La Moure	150	111	17	15	6	1	--	-
Logan	81	54	21	4	2	--	--	-
McHenry	147	114	21	6	4	2	--	-
McIntosh	139	110	12	11	3	3	--	-
McKenzie	109	70	17	16	5	1	--	-
McLean	240	170	40	25	3	2	--	-
Mercer	150	101	22	18	3	4	2	-
Morton	458	274	91	51	33	7	2	-
Mountrail	195	128	36	22	6	3	--	-
Nelson	154	106	29	12	7	--	--	-
Oliver	22	18	2	1	1	--	--	-
Pembina	276	203	40	18	11	1	2	1
Pierce	150	95	24	19	10	1	1	-
Ramsey	396	222	93	41	33	6	--	1
Ransom	176	124	29	16	6	1	--	-
Renville	99	74	19	3	3	--	--	-
Richland	400	259	66	34	31	8	--	2
Rolette	185	119	35	19	7	2	3	-

TABLE 5.12--*Continued*

County	Total # of Establishments	Number of Employees						
		1-4	5-9	10-19	20-49	50-99	100-249	250+
Sargent	100	71	18	5	5	--	--	1
Sheridan	62	48	9	4	1	--	--	-
Sioux	30	20	7	---	2	1	--	-
Slope	1	---	1	---	---	--	--	-
Stark	548	324	117	55	40	8	3	1
Steele	66	44	16	5	1	--	--	-
Stutsman	603	361	109	64	52	10	6	1
Towner	116	79	24	10	2	1	--	-
Traill	257	181	46	19	7	2	2	-
Walsh	419	269	76	46	20	7	1	-
Ward	1,231	695	235	169	83	38	9	2
Wells	196	145	24	21	5	--	1	-
Williams	617	377	113	73	41	8	4	1
Statewide	72	71	---	---	---	1	--	-

SOURCE: U. S. Dept. of Commerce, County Business Patterns--North Dakota, 1976.

TABLE 5.07

NON-AGRICULTURAL EMPLOYMENT BY INDUSTRY IN NORTH DAKOTA'S LARGEST CITIES, 1977 AND 1978

	Bismarck		Devils Lake		Dickinson		Fargo		Grafton		Grand Forks	
Industry	1977	1978	1977	1978*	1977	1978	1977	1978	1977	1978*	1977	1978
Total Non-Agriculture	22,100	23,250	3,910	3,850	6,140	6,700	40,580	41,920	2,660	2,660	21,510	22,170
Mining	100	140			190	280						
Construction	1,690	1,710	200	160	410	490	2,560	2,900	140	130	1,310	1,270
Manufacturing	1,410	1,430	110	100	510	520	3,760	3,460	140	130	1,460	1,380
Trans., Util., Comm.	1,510	1,790	180	190	400	430	2,560	2,640	120	130	1,770	1,790
Wholesale Trade	1,330	1,540	320	280	350	370	4,450	4,670	110	120	770	740
Retail Trade	4,090	4,360	1,140	1,160	1,470	1,610	8,270	8,440	540	540	4,660	5,320
Fin., Ins., Real Est.	1,000	1,050	170	180	240	270	2,640	2,830	120	130	860	930
Service	5,420	5,570	930	920	1,420	1,490	8,920	9,350	480	500	3,820	4,030
Government	5,550	5,660	860	860	1,150	1,240	7,420	7,630	1,010	980	6,860	6,710

	Jamestown		Mandan		Minot		Valley City		Wahpeton		Williston	
Industry	1977	1978	1977	1978	1977	1978*	1977	1978*	1977	1978	1977	1978*
Total Non-Agriculture	7,350	7,670	4,890	5,130	16,010	16,090	3,400	3,430	3,630	4,100	5,100	5,370
Mining			10	10	30	30					320	390
Construction	400	370	270	320	720	730	270	290	200	190	240	290
Manufacturing	850	1,000	740	770	790	840	120	140	800	1,030	350	350
Trans., Util., Comm.,	500	520	580	640	1,490	1,490	90	90	130	150	310	350
Wholesale Trade	350	340	260	260	1,130	1,120	230	280	150	170	450	480
Retail Trade	1,640	1,700	1,090	1,110	3,880	3,960	930	880	630	650	1,330	1,350
Fin., Ins., Real Est.	300	340	120	130	840	870	140	160	130	140	180	190
Service	1,730	1,780	980	1,010	3,630	3,560	790	750	470	570	1,160	1,190
Government	1,580	1,620	840	880	3,500	3,490	830	840	1,120	1,200	760	780

SOURCE: North Dakota Employment Security Bureau, Research and Statistics Division, Form ESB-RA-49-A.

* Preliminary.

TABLE 5.08

ACTUAL AND PROJECTED EMPLOYMENT BY INDUSTRY IN NORTH DAKOTA, SELECTED YEARS, 1970-1985

	1970 Employment		1974 Employment		Estimated 1978 Employment		Estimated 1985 Employment	
Industry	Number	%	Number	%	Number	%	Number	%
Total All Industries	235,302	100.00%	268,519	100.00%	279,727	100.00%	299,354	100.00%
Agriculture, Forestry, Fisheries	57,845	24.58	58,496	21.78	57,089	20.41	54,627	18.25
Mining	1,643	0.70	1,748	0.65	1,866	0.67	2,073	0.69
Lignite	343	0.15	397	0.15	433	0.15	497	0.17
Oil & Gas	1,116	0.47	1,033	0.40	1,148	0.41	1,263	0.42
Metals & Minerals	184	0.08	268	0.10	284	0.10	313	0.10
Construction	14,973	6.35	19,018	7.08	20,121	7.19	22,051	7.37
Manufacturing	10,245	4.35	15,023	5.59	16,620	5.94	19,416	6.49
Durable	3,882	1.65	7,940	2.96	9,069	3.24	11,045	3.69
Non-Durable	6,363	2.70	7,083	2.64	7,551	2.70	8,371	2.80
Transportation & Public Utilities	14,019	5.96	15,083	5.62	15,496	5.54	16,219	5.42
Railroads	3,534	1.50	3,310	1.23	2,995	1.07	2,445	0.82
Trucking & Warehousing	2,862	1.22	3,680	1.37	3,974	1.42	4,489	1.50
Other Transportation	946	0.40	1,104	0.41	1,195	0.43	1,355	0.46
Communications	3,084	1.31	3,142	1.17	3,228	1.15	3,378	1.13
Electric, Gas & Other Utilities	3,593	1.53	3,847	1.43	4,103	1.47	4,552	1.52
Wholesale & Retail Trade	51,215	21.77	62,105	23.13	65,753	23.51	72,136	24.10
Wholesale Trade	11,414	4.85	13,388	4.99	13,733	4.91	14,338	4.79
Retail Trade	39,801	16.91	48,717	18.14	52,019	18.60	57,798	19.31
Finance, Insurance & Real Estate	7,917	3.36	9,177	3.42	9,676	3.46	10,549	3.52
Banking & Finance	4,097	1.74	4,747	1.77	5,068	1.81	5,631	1.88
Insurance	2,697	1.15	2,913	1.08	3,055	1.09	3,303	1.10
Real Estate	1,123	0.48	1,517	0.56	1,533	0.56	1,615	0.54

TABLE 5.08--*Continued*

Industry	1970 Employment		1974 Employment		Estimated 1978 Employment		Estimated 1985 Employment	
	Number	%	Number	%	Number	%	Number	%
Services	62,195	26.43%	73,060	27.21%	77,271	27.62%	84,642	28.27%
Hotels & Lodging	3,657	1.55	4,266	1.59	4,770	1.71	5,653	1.89
Personal Services	3,592	1.53	3,830	1.43	4,075	1.46	4,503	1.50
Private Households	5,142	2.19	4,138	1.54	4,453	1.59	5,004	1.67
Business & Repair Services	2,993	1.27	3,828	1.42	4,130	1.47	4,658	1.56
Amusement & Recreation	1,247	0.53	1,459	0.54	1,466	0.53	1,479	0.50
Professional, Social & Related	45,564	19.37	55,539	20.69	58,377	20.87	63,345	21.17
Medical & Health	13,899	5.91	18,602	6.93	20,133	7.20	22,812	7.62
Legal	821	0.35	1,019	0.38	1,105	0.39	1,255	0.42
Education	24,695	10.50	27,462	10.23	28,135	10.06	29,313	9.79
Non-profit Organizations	5,047	2.14	6,579	2.45	6,936	2.48	7,562	2.53
Other	1,102	0.47	1,877	0.70	2,068	0.74	2,403	0.81
Government	15,250	6.48	14,809	5.52	15,839	5.66	17,641	5.89
Federal Public Administration	6,829	2.90	6,472	2.41	6,855	2.45	7,524	2.51
State Public Administration	1,851	0.79	1,904	0.71	2,004	0.72	2,180	0.73
Local Public Administration	6,570	2.79	6,433	2.40	6,980	2.50	7,937	2.65

SOURCE: North Dakota Employment Security Bureau, North Dakota Manpower Projections to 1985, January 1977.

TABLE 5.09

ACTUAL AND PROJECTED EMPLOYMENT BY OCCUPATION IN NORTH DAKOTA, SELECTED YEARS, 1970-1985

	1970 Employment		1974 Employment		Estimated 1978 Employment		Estimated 1985 Employment	
	Number	%	Number	%	Number	%	Number	%
Total All Occupations	235,297	100.00%	268,161	100.00%	279,500	100.00%	299,344	100.00%
Professional, Technical, Kindred	28,702	12.20	33,589	12.53	34,698	12.41	36,640	12.24
Managers, Officials, Proprietors	25,123	10.68	32,088	11.97	34,036	12.18	37,445	12.51
Sales Workers	12,572	5.34	14,470	5.40	15,478	5.54	17,243	5.76
Clerical Workers	28,514	12.12	32.231	12.02	35,000	12.52	39,847	13.31
Crafts and Kindred Workers	23,782	10.11	28,998	10.81	31,030	11.10	34,585	11.55
Operatives	17,631	7.49	21,943	8.18	23,523	8.42	26,287	8.78
Service Workers	34,603	14.71	39,381	14.69	41,967	15.02	46,492	15.53
Laborers, except Farm	7,642	3.25	8,567	3.19	8,878	3.18	9,423	3.15
Farmers and Farm Workers	56.728	24.11	56,894	21.22	54,891	19.64	51,382	17.16

SOURCE: North Dakota Employment Security Bureau, North Dakota Manpower Projections to 1985, January 1977.

TABLE 5.10

ACTUAL AND PROJECTED AVERAGE ANNUAL JOB OPENINGS IN NORTH DAKOTA, 1970-1985

	Average Annual Job Openings 1970-1974			Average Annual Job Openings 1974-1985		
	Number	% of Total	% of 1970 Empl.	Number	% of Total	% of 1977 Empl.
Total All Occupations	18,014	100.00%	7.66%	14,164	100.00%	5.12%
Professional, Technical, Kindred	2,464	13.68	8.58	1,700	12.01	4.94
Managers, Officials, Proprietors	2,674	14.85	10.65	1,646	11.62	4.91
Sales Workers	1,040	5.77	8.27	922	6.51	6.06
Clerical Workers	2,694	14.96	9.45	2,864	20.22	8.35
Crafts and Kindred Workers	1,893	10.51	7.96	1,175	8.30	3.85
Operatives	1,552	8.61	8.80	986	6.96	4.26
Service Workers	3,483	19.33	10.06	3,366	23.76	8.15
Laborers, except Farm	418	2.32	5.46	286	2.02	3.25
Farmers and Farm Workers	1,797	9.97	3.17	1,218	8.60	2.20

SOURCE: North Dakota Employment Security Bureau, North Dakota Manpower Projections to 1985, January 1977.

TABLE 5.13

NUMBER AND EMPLOYMENT OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, 1970 AND 1976

County	1970 Total # of Reporting Units	1970 Employment (Mid-March)	1976 Total # of Reporting Units	1976 Employment (Mid-March)
NORTH DAKOTA	12,672	105,678	15,101	139,402
Adams	104	635	110	703
Barnes	324	2,232	351	2,727
Benson	107	450	141	899
Billings	6	50	8	12
Bottineau	191	1,047	227	1,334
Bowman	112	892	140	884
Burke	98	433	93	412
Burleigh	833	10,373	1,275	16,620
Cass	1,743	23,693	2,287	33,532
Cavalier	144	572	210	1,718
Dickey	160	949	176	1,233
Divide	93	394	93	468
Dunn	65	163	63	164
Eddy	85	453	100	494
Emmons	116	559	125	557
Foster	128	749	159	926
Golden Valley	62	312	79	404
Grand Forks	1,019	11,704	1,270	13,666
Grant	81	287	79	304
Griggs	88	520	92	640
Hettinger	113	485	111	529
Kidder	64	214	67	298
La Moure	153	604	150	711
Logan	83	314	81	352
McHenry	142	566	147	673
McIntosh	124	577	139	711
McKenzie	102	581	109	721
McLean	193	1,014	240	1,203
Mercer	127	816	150	1,188
Morton	370	2,892	458	3,662
Mountrail	170	764	195	1,144
Nelson	127	562	154	803
Oliver	20	210	22	101
Pembina	215	1,366	276	1,976
Pierce	126	858	150	1,198

TABLE 5.13--*Continued*

County	1970 Total # of Reporting Units	1970 Employment (Mid-March)	1976 Total # of Reporting Units	1976 Employment (Mid-March)
Ramsey	316	2,307	396	3,381
Ransom	155	683	176	901
Renville	93	321	99	384
Richland	362	1,962	400	3,483
Rolette	154	1,220	185	1,551
Sargent	102	874	100	1,530
Sheridan	50	200	62	262
Sioux	30	335	30	215
Slope	7	14	1	*
Stark	421	3,407	548	4,597
Steele	62	226	66	304
Stutsman	484	4,421	603	5,565
Towner	103	474	116	577
Traill	203	1,072	257	1,520
Walsh	332	2,106	419	2,870
Ward	1,029	10,403	1,231	13,148
Wells	172	832	196	957
Williams	495	4,433	617	5,048
Statewide	414	1,898	72	**

SOURCE: U.S. Dept. of Commerce, County Business Patterns--North Dakota, various years.

D Not shown to avoide disclosure of confidential information.

* 0 - 19 employees.

** 100 - 249 employees.

TABLE 5.14

TAXABLE PAYROLLS OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1976

County	1970	1974	1975	1976
	Taxable Payrolls (Annual) (Thousands)	Taxable Payrolls (Annual) (Thousands)	Taxable Payrolls (Annual) (Thousands)	Taxable Payrolls (Annual) (Thousands)
NORTH DAKOTA	$130,578	$904,996	$1,048,904	$1,226,710
Adams	722	4,784	5,453	6,366
Barnes	2,310	15,987	16,737	19,382
Benson	396	3,147	5,174	6,308
Billings	50	355	95	133
Bottineau	1,077	7,068	9,184	11,646
Bowman	783	5,133	6,278	7,442
Burke	580	3,191	2,968	3,159
Burleigh	13,414	106,738	139,946	159,926
Cass	35,711	249,283	284,546	334,906
Cavalier	601	9,158	12,605	14,423
Dickey	863	5,381	6,841	7,992
Divide	385	2,192	2,447	2,832
Dunn	133	991	890	1,186
Eddy	387	2,702	3,341	4,285
Emmons	502	2,828	3,073	3,274
Foster	691	5,407	6,191	7,410
Golden Valley	269	1,820	2,127	2,396
Grand Forks	14,327	102,168	109,672	127,893
Grant	264	1,578	1,596	1,938
Griggs	572	4,077	4,416	4,647
Hettinger	463	2,884	3,197	3,580
Kidder	209	1,569	1,663	1,859
La Moure	586	3,716	4,131	4,720
Logan	241	1,505	1,637	2,078
McHenry	650	4,774	4,974	5,309
McIntosh	481	3,043	3,501	3,683
McKenzie	620	4,763	5,048	5,884
McLean	952	5,436	6,933	9,615
Mercer	1,123	8,427	10,809	13,392
Morton	3,572	28,523	28,031	31,239
Mountrail	627	5,565	6,565	7,385
Nelson	474	4,808	5,701	5,474
Oliver	511	748	1,129	1,499
Pembina	1,825	14,189	14,944	17,249
Pierce	864	6,208	7,336	8,758

TABLE 5.14--*Continued*

	1970	1974	1975	1976
County	Taxable Payrolls (Annual) (Thousands)	Taxable Payrolls (Annual) (Thousands)	Taxable Payrolls (Annual) (Thousands)	Taxable Payrolls (Annual) (Thousands)
Ramsey	$ 2,341	$ 15,435	$ 18,348	$ 22,080
Ransom	570	4,576	4,952	5,750
Renville	328	2,822	2,437	2,837
Richland	2,083	17,492	23,143	27,243
Rolette	1,167	8,055	10,043	11,393
Sargent	1,439	14,130	11,966	15,071
Sheridan	153	1,269	1,495	1,925
Sioux	275	2,405	1,329	1,433
Slope	6	D	D	D
Stark	3,585	26,526	30,388	34,413
Steele	264	2,222	2,488	2,698
Stutsman	4,970	32,632	38,471	45,851
Towner	504	3,200	3,465	3,917
Traill	969	7,240	9,924	12,107
Walsh	2,214	15,896	18,308	20,977
Ward	12,990	82,753	94,653	113,644
Wells	749	5,282	5,726	6,785
Williams	5,846	31,940	40,082	47,985
Statewide	3,890	D	2,465	D

SOURCE: U.S. Dept. of Commerce, County Business Patterns--North Dakota, various years.

D Not shown to avoid disclosure of confidential information.

TABLE 5.15

NORTH DAKOTA TAXABLE PAYROLLS BY INDUSTRY, 1973-1976
(Thousands of Dollars)

Industry	1973	1974	1975	1976
Total	$772,663	$910,238	$1,051,304	$1,226,710
Ag. Services, Forestry & Other	1,790	2,377	2,699	3,251
Mining	18,390	18,830	22,445	29,517
Lignite	3,967	5,072	7,077	10,851
Oil & Gas	11,162	11,215	12,525	15,874
Metals & Minerals	3,261	2,543	2,843	2,792
Construction	95,166	108,563	121,307	153,221
Manufacturing	88,152	116,029	131,337	150,838
Transportation & Public Utilities	63,974	77,103	101,876	117,116
Wholesale Trade	126,028	149,789	167,323	185,673
Retail Trade	157,045	183,762	208,633	247,340
Finance, Insurance & Real Estate	53,387	64,392	72,061	84,473
Banking & Finance	28,188	33,947	38,062	44,399
Insurance & Real Estate	25,199	30,445	33,999	40,074
Services	154,983	178,337	214,540	252,558
Hotels & Lodging	8,617	10,351	12,463	14,702
Personal Services	10,051	9,974	11,063	12,430
Business & Repair Services	16,426	19,530	24,534	29,483
Amusement & Recreation	3,765	4,126	4,648	5,232
Health Services	79,273	91,730	110,227	131,995
Legal, Educational & Social	17,245	19,541	23,767	27,284
Other Services	19,606	23,085	27,838	31,432

SOURCE: U.S. Department of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

TABLE 5.16

TAXABLE PAYROLL BY INDUSTRY BY NORTH DAKOTA COUNTY, 1976
(Thousands of Dollars)

County	Ag. Services, Forestry, etc.	Mining	Construction	Manufacturing	Trans. & Public Utilities
Adams	$ D	$-----	$ 739	$ 495	$ D
Barnes	158	-----	3,485	589	923
Benson	D	-----	D	D	322
Billings	---	-----	D	------	------
Bottineau	D	D	654	692	D
Bowman	D	2,354	500	353	536
Burke	D	1,023	99	D	D
Burleigh	D	D	26,569	15,776	24,080
Cass	363	D	47,232	43,087	28,685
Cavalier	D	-----	2,586	D	1,490
Dickey	---	-----	D	D	753
Divide	---	D	137	326	D
Dunn	D	-----	92	D	D
Eddy	D	D	1,001	40	D
Emmons	D	D	279	266	315
Foster	D	-----	784	D	1,276
Golden Valley	D	-----	65	D	130
Grand Forks	474	D	16,962	10,977	13,184
Grant	---	-----	D	D	109
Griggs	D	-----	91	D	D
Hettinger	D	-----	433	208	337
Kidder	D	D	49	D	D
La Moure	D	-----	D	546	537
Logan	---	D	145	D	D
McHenry	D	D	1,155	617	D
McIntosh	---	-----	67	410	D
McKenzie	D	2,100	666	D	D
McLean	D	D	931	256	636
Mercer	D	4,910	838	225	3,620
Morton	75	D	3,604	6,889	2,399
Mountrail	D	-----	214	D	609
Nelson	D	-----	716	D	244
Oliver	---	D	D	D	D
Pembina	76	-----	4,169	D	D
Pierce	D	-----	D	1,011	537
Ramsey	D	-----	1,761	922	1,335
Ransom	D	D	462	118	652
Renville	D	437	223	52	D
Richland	29	D	3,669	9,503	1,445
Rolette	---	-----	851	D	D

TABLE 5.16--*Continued*

	Ag, Services, Forestry, etc.	Mining	Construction	Manufacturing	Trans. & Public Utilities
Sargent	$ D	$-----	$ 307	$ D	$ D
Sheridan	D	-----	651	D	D
Sioux	---	D	D	D	44
Slope	---	-----	------	------	------
Stark	80	598	2,768	5,086	3,442
Steele	---	-----	186	126	516
Stutsman	180	167	3,821	7,105	4,038
Towner	---	-----	223	D	D
Traill	D	D	D	D	603
Walsh	168	D	2,539	1,448	2,456
Ward	457	1,177	15,303	8,473	9,634
Wells	D	-----	557	169	425
Williams	205	9,749	3,569	4,358	4,178

County	Wholesale Trade	Retail Trade	Finance, Ins. & Real Estate	Services	Total
Adams	$ 1,342	$ 1,353	$ 250	$ 1,881	$ 6,366
Barnes	4,184	5,016	1,310	3,678	19,382
Benson	1,080	622	438	1,330	6,308
Billings	------	124	D	D	133
Bottineau	1,577	2,841	609	2,033	11,646
Bowman	1,091	1,312	D	874	7,442
Burke	435	611	258	139	3,159
Burleigh	15,545	27,109	10,249	38,629	159,926
Cass	65,633	55,257	30,482	63,829	334,906
Cavalier	1,328	1,919	D	4,239	14,423
Dickey	1,860	1,590	586	2,095	7,992
Divide	636	797	D	666	2,832
Dunn	392	385	211	85	1,186
Eddy	608	747	359	724	4,285
Emmons	637	877	270	603	3,274
Foster	1,621	1,671	517	1,094	7,410
Golden Valley	603	666	291	505	2,396
Grand Forks	13,065	32,008	6,742	33,223	127,893
Grant	390	616	229	507	1,938
Griggs	1,032	604	410	547	4,647
Hettinger	691	877	350	623	3,580
Kidder	416	427	302	248	1,859
La Moure	1,284	1,153	540	426	4,720
Logan	879	405	266	253	2,078
McHenry	754	1,141	405	232	5,309

TABLE 5.16--*Continued*

County	Wholesale Trade	Retail Trade	Finance, Ins. & Real Estate	Services	Total
McIntosh	$ 740	$ 779	$ 333	$ 1,228	$ 3,683
McKenzie	962	721	293	727	5,884
McLean	1,900	2,185	618	1,841	9,615
Mercer	691	1,496	448	1,125	13,392
Morton	3,954	7,571	1,457	5,019	31,239
Mountrail	898	2,089	430	2,402	7,385
Nelson	1,183	1,671	542	946	5,474
Oliver	D	97	D	28	1,499
Pembina	2,086	2,428	697	1,911	17,249
Pierce	1,059	2,115	860	2,625	8,758
Ramsey	3,810	8,378	1,117	4,690	22,080
Ransom	1,118	1,787	519	951	5,750
Renville	678	697	D	539	2,837
Richland	3,471	5,000	1,191	2,787	27,243
Rolette	1,377	2,353	700	4,700	11,393
Sargent	D	502	293	354	15,071
Sheridan	308	450	228	101	1,925
Sioux	118	135	------	563	1,433
Slope	------	D	------	------	D
Stark	3,788	8,318	1,880	8,324	34,413
Steele	967	523	254	D	2,698
Stutsman	5,594	10,968	3,558	10,340	45,851
Towner	882	896	380	810	3,917
Traill	2,738	2,337	743	2,188	12,107
Walsh	3,972	4,881	2,090	3,277	20,977
Ward	17,759	27,517	6,946	26,140	113,644
Wells	1,954	1,901	502	1,215	6,785
Williams	5,597	9,259	1,948	9,071	47,985

SOURCE: U.S. Department of Commerce, Bureau of the Census, County Business Patterns--North Dakota, 1976.

D Not shown to avoid disclosure of confidential information.

TABLE 5.18

AVERAGE WEEKLY HOURS AND EARNINGS IN NORTH DAKOTA MANUFACTURING ESTABLISHMENTS, 1970-1978

Year	Average Weekly Hours	Average Weekly Earnings	Average Hourly Rate
1970	40.8	$119.54	$2.93
1971	40.7	129.02	3.17
1972	40.1	133.13	3.32
1973	40.4	143.02	3.54
1974	40.1	153.58	3.83
1975	39.6	171.07	4.32
1976	39.3	189.03	4.81
1977	38.6	200.33	5.19
1978	39.7	219.94	5.54

SOURCE: North Dakota Employment Security Bureau, Annual Report, various years.

Note: Data relates to full and part-time manufacturing production workers. The average earnings are "gross," i.e., they reflect not only changes in basic hourly and incentive wage rates, but also such factors as premium pay for overtime work and shift differentials. The work week information relates to average hours worked or paid for and is somewhat different from scheduled hours because of such factors as absenteeism, labor turnover, part-time work and stoppages.

TABLE 5.19

AVERAGE LABOR TURNOVER RATES PER THOUSAND EMPLOYEES IN MANUFACTURING IN NORTH DAKOTA, 1970-1978

Year	Accession Rate			Separation Rate		
	Total	New Hires	Recalls	Total	Quits	Layoffs
1970	54	43	NA	56	27	20
1971	64	45	NA	64	26	29
1972	59	43	NA	55	23	23
1973	74	56	NA	67	31	26
1974	78	60	NA	65	38	20
1975	60	46	NA	70	37	25
1976	49	35	11	53	31	15
1977	52	33	16	60	27	25
1978	62	45	13	62	33	20

SOURCE: North Dakota Employment Security Bureau, Annual Report, various years.

NA Not Available.

TABLE 5.20

HOURLY FARM WAGES IN NORTH DAKOTA, 1950-1978

Year	Cash Wages Per Hour	Year	Cash Wages Per Hour
1950	$ .92	1975	$2.79
1951	1.01	1976	3.29
1952	1.00	1977	3.34
1953	1.01	1978	3.85
1954	1.00		
1955	.99		
1956	1.02		
1957	1.05		
1958	1.04		
1959	1.05		
1960	1.06		
1961	1.04		
1962	1.09		
1963	1.11		
1964	1.13		
1965	1.18		
1966	1.24		
1967	1.32		
1968	1.40		
1969	1.50		
1970	1.60		
1971	1.70		
1972	1.81		
1973	1.94		
1974	2.34		

SOURCE: U.S. Department of Agriculture, North Dakota Crop & Livestock Statistics, annual reports.

TABLE 5.17

HOURS AND EARNINGS IN MANUFACTURING: UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, 1970 AND 1976

State	1970 Average			1976 Average		
	Weekly Earnings	Weekly Hours	Hourly Earnings	Weekly Earnings	Weekly Hours	Hourly Earnings
United States	$133.73	39.8	$3.36	$207.60	40.0	$5.19
NORTH DAKOTA	119.25	40.7	2.93	189.03	39.3	4.81
South Dakota	132.91	44.6	2.98	179.95	39.9	4.51
Nebraska	134.79	42.0	3.21	202.57	41.1	4.93
Montana	148.00	40.0	3.70	236.01	39.8	5.93
Wyoming	130.03	38.7	3.36	217.95	40.1	5.44
Minnesota	141.30	40.0	3.54	220.09	39.8	5.53

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Employment and Earnings, May 1973 and September 1977.

TABLE 5.21

ANNUAL AVERAGE UNEMPLOYMENT RATES BY NORTH DAKOTA COUNTY BY REGION, 1974-1978

	1974	1975	1976	1977	1978
NORTH DAKOTA	4.6%	5.2%	5.1%	5.5%	4.6%
Divide	2.9	4.8	3.9	4.9	3.4
McKenzie	3.1	4.1	4.8	4.7	3.7
Williams	4.6	4.6	4.2	4.5	3.1
Region 1 Total	4.1	4.5	4.3	4.6	3.2
Bottineau	5.2	4.3	4.9	6.1	5.1
Burke	5.0	5.3	5.9	4.1	3.5
McHenry	6.5	8.1	8.8	10.7	9.5
Mountrail	6.5	5.7	6.1	6.6	5.4
Pierce	3.6	4.2	4.3	4.8	4.4
Renville	4.0	4.4	4.5	4.2	3.2
Ward	3.5	4.4	4.7	5.5	4.7
Region 2 Total	4.3	4.8	5.2	8.1	5.1
Benson	8.3	8.3	7.2	7.8	7.5
Cavalier	4.9	5.9	6.1	6.5	6.4
Eddy	9.3	7.8	8.4	8.0	8.2
Ramsey	4.3	4.2	4.0	5.5	4.7
Rolette	10.5	10.2	10.7	11.0	9.5
Towner	3.7	3.0	3.5	3.7	3.1
Region 3 Total	6.5	6.5	6.5	7.2	6.5
Grand Forks	3.9	5.6	4.8	5.2	4.5
Nelson	5.4	5.2	5.4	5.2	4.4
Pembina	6.7	5.9	6.4	7.4	6.5
Walsh	5.4	6.2	6.4	6.2	5.9
Region 4 Total	4.6	5.7	5.3	5.6	5.0
Cass	3.0	4.3	3.9	3.9	3.5
Ransom	7.0	3.4	3.7	4.5	3.5
Richland	3.6	4.3	4.9	6.9	4.7
Sargent	3.5	4.1	4.7	7.0	4.6
Steele	3.4	3.7	4.8	4.0	3.1
Traill	3.0	3.5	3.9	5.7	4.6
Region 5 Total	3.4	4.2	4.1	4.6	3.8
Barnes	3.3	3.9	4.0	5.0	4.0
Dickey	3.0	3.5	3.4	3.9	3.1
Foster	5.4	5.3	5.1	5.3	3.9
Griggs	3.4	3.8	4.6	6.3	4.1
La Moure	3.8	5.0	4.9	3.7	3.3
Logan	6.5	6.9	6.6	5.8	5.3
McIntosh	3.9	6.2	6.2	4.6	3.5
Stutsman	4.0	4.3	4.5	4.5	3.9
Wells	5.2	5.0	4.6	5.5	5.1
Region 6 Total	4.0	4.6	4.6	4.8	3.9

TABLE 5.21--*Continued*

	1974	1975	1976	1977	1978
Burleigh	4.9%	5.1%	5.1%	5.2%	4.3%
Emmons	6.6	9.8	8.2	8.0	6.3
Grant	5.8	5.9	6.3	5.7	5.5
Kidder	6.1	6.9	8.2	9.4	8.6
McLean	7.5	6.9	7.7	7.2	5.6
Mercer	4.5	5.6	5.5	5.5	3.9
Morton	7.5	7.1	6.8	6.9	6.0
Oliver	6.1	5.6	5.3	4.0	4.5
Sheridan	4.5	6.4	6.4	7.2	7.8
Sioux	6.9	8.5	7.2	7.6	7.7
Region 7 Total	5.8	6.1	6.0	6.1	5.1
Adams	2.9	3.9	2.4	2.2	2.2
Billings	4.4	7.3	5.9	7.7	5.1
Bowman	4.4	3.2	2.6	3.1	2.7
Dunn	6.4	9.5	8.6	7.8	6.1
Golden Valley	3.0	4.7	3.7	4.0	3.6
Hettinger	5.4	5.0	5.0	4.1	4.4
Slope	4.5	5.5	6.0	5.7	5.8
Stark	4.9	4.7	4.7	5.5	4.5
Region 8 Total	4.7	5.1	4.7	4.9	4.2

SOURCE: North Dakota Employment Security Brueau. (Not Current Population Survey adjusted.)

Note: Refer to page 2 for map of North Dakota Palnning and Development Regions.

TABLE 5.22

AGE AND SEX OF THE INSURED UNEMPLOYED IN NORTH DAKOTA, 1977*

Age	Average Total Unemployed		Men		Women		Sex Not Reported
	Number	%	Number	%	Number	%	
All Ages	5,410	100.0%	3,866	100.0%	1,408	100.0%	136
Total, Under 45	3,833	70.9	2,813	72.8	1,011	71.8	9
Under 25	1,469	27.2	1,052	27.2	414	29.4	3
25-34	1,608	29.7	1,210	31.3	395	28.1	3
35-44	757	14.0	551	14.3	203	14.4	3
Total, 45 & Over	1,439	26.6	1,047	27.1	389	27.6	3
45-54	686	12.7	473	12.2	212	15.1	1
55-64	580	10.7	437	11.3	141	10.0	2
65 & Over	174	3.2	136	3.5	37	2.6	1
Age Not Reported	137	2.5	7	0.2	7	0.5	123

SOURCE: Calculated from North Dakota Employment Security Bureau, Research and Statistics Division, unpublished data.

*Simple average of monthly data, not seasonally adjusted.

Note: Details may not add to totals due to rounding.

TABLE 5.24

WORK STOPPAGES IN NORTH DAKOTA, 1960-1975

Year	Number of Work Stoppages	Number of Workers Involved	Number of Man-days Idle	Percentage of Work Time Lost
1960	3	870	4,540	*%
1961	4	160	3,780	.02
1962	7	1,060	17,500	.07
1963	3	70	860	*
1964	10	1,280	7,670	.03
1965	15	930	8,990	.03
1966	8	460	3,090	.01
1967	6	4,110	6,560	.02
1968	10	2,500	33,200	.12
1969	7	600	8,900	.01
1970	12	3,000	17,200	.06
1971	12	6,600	25,500	.09
1972	11	500	12,400	.04
1973	13	700	10,000	.02
1974	7	800	4,700	.01
1975	10	1,500	37,700	.08

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Handbook of Labor Statistics 1974 and 1977.

*Less than .005.

TABLE 5.23

INDUSTRY ATTACHMENT OF NORTH DAKOTA INSURED UNEMPLOYED BY SEX AND DURATION OF UNEMPLOYMENT, 1977*

Industry	Average Total Unemployed		Men	Women	Sex Not Reported	Number by Weeks of Current Unemployment			
	Number	Percent				1-2	3-4	5-14	15 & Over
All Industries	5,410	100.0%	3,866	1,408	136	1,281	737	2,376	1,015
Agriculture	108	2.0	74	33	1	29	11	51	18
Mining	145	2.7	137	4	4	37	24	67	18
Contract Construction	1,875	34.7	1,780	55	40	455	275	859	286
Manufacturing	876	16.2	609	242	25	198	137	369	172
Public Utilities	190	3.5	147	39	4	50	23	81	35
Wholesale & Retail Trade	1,170	21.6	664	468	38	254	150	513	252
Finance, Insurance, Real Estate	79	1.5	23	54	2	20	10	32	17
Services	751	13.9	267	467	17	195	83	300	172
All Others	57	1.1	46	9	2	15	6	26	10
Not Reported	158	2.9	119	37	2	28	18	77	36

SOURCE: Calculated from North Dakota Employment Security Bureau, Research and Statistics Division, unpublished data.

*Simple average of monthly data, not seasonally adjusted

Note: Details may not add to totals due to rounding.

TABLE 5.25

DISTRIBUTION OF MEMBERSHIP OF NATIONAL UNIONS AND EMPLOYEE ASSOCIATIONS BY STATE AND AFFILIATION, 1974

(In Thousands)

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a Percent of Employees in Non-agricultural Establishments	
		Total	AFL-CIO	Unaffiliated		Total	Professional & State Assn.[3]	Municipal Assn.[4]		
				National	Local Unions[2]				Percent	Ranking
All States	23,408	20,566	15,639	4,453	475	2,842	2,607	235	29.9%	--
Alabama[5]	278	223	199	23	1	55	55	(6)	23.9	26
Alaska	45	32	24	7	(6)	13	13	---	37.2	7
Arizona[5]	156	118	98	20	(6)	38	37	1	21.1	32
Arkansas[5]	116	108	95	13	---	8	8	---	18.1	37
California	2,607	2,212	1,721	434	58	394	281	113	33.3	12
Colorado	220	181	152	28	(6)	39	38	1	23.0	29
Connecticut	382	317	235	76	6	65	63	2	30.3	19
Delaware	55	47	35	8	4	8	8	---	23.5	27
Florida	416	354	317	36	2	62	59	3	14.7	46
Georgia[5]	287	264	221	42	(6)	23	23	(6)	15.8	44
Hawaii	129	121	84	29	7	8	8	---	38.7	6
Idaho	54	40	30	9	1	13	13	(6)	20.6	34
Illinois	1,684	1,584	1,161	377	46	100	100	(6)	37.1	8
Indiana	729	670	448	211	11	59	59	---	36.2	10
Iowa[5]	251	212	152	59	1	39	38	1	25.1	24
Kansas[5]	137	110	95	13	2	27	27	(6)	17.5	41
Kentucky	309	269	184	80	4	41	41	---	28.9	20
Louisiana	211	194	169	21	3	17	17	---	17.7	39
Maine	83	59	50	7	3	24	23	1	22.8	30
Maryland-District of Columbia	545	462	375	72	15	83	78	5	25.5	23

TABLE 5.25--*Continued*

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a Percent of Employees in Non-agricultural Establishments	
		Total	AFL-CIO	Unaffiliated		Total	Professional & State Assn.[3]	Municipal Assn.[4]		
				National	Local Unions[2]				Percent	Ranking
Massachusetts	632	579	461	102	16	53	51	2	26.6%	22
Michigan	1,388	1,255	599	649	7	133	126	7	42.4	2
Minnesota	421	375	293	75	7	46	46	(6)	28.3	21
Mississippi[5]	93	84	76	8	(6)	9	9	---	13.3	48
Missouri	595	575	422	146	7	20	20	---	33.4	11
Montana	73	60	51	10	(6)	13	13	(6)	31.1	17
Nebraska[5]	99	83	72	11	(6)	15	15	---	17.8	38
Nevada[5]	81	71	59	12	(6)	10	10	(6)	31.4	16
New Hampshire	58	46	37	6	2	12	12	(6)	19.0	36
New Jersey	898	786	590	165	31	112	101	11	32.3	13
New Mexico	63	51	41	10	(6)	12	12	---	17.6	40
New York	3,215	2,693	2,275	369	48	522	448	74	45.4	1
North Carolina[5]	201	140	116	24	(6)	61	61	---	9.8	50
NORTH DAKOTA[5]	38	29	19	10	(6)	9	9	---	19.7	35
Ohio	1,522	1,389	978	358	54	133	132	1	36.4	9
Oklahoma	148	132	111	19	2	16	16	---	16.8	42
Oregon	270	222	171	50	1	48	47	1	32.2	14
Pennsylvania	1,849	1,695	1,291	359	45	154	154	(6)	40.9	4
Rhode Island	111	101	81	19	1	11	11	(6)	30.3	18
South Carolina[5]	105	82	72	9	(6)	23	23	---	10.3	49
South Dakota[5]	31	23	18	5	---	9	9	---	15.1	45
Tennessee[5]	328	295	244	48	3	34	33	1	20.9	33
Texas[5]	620	567	472	83	11	53	51	2	14.2	47
Utah[5]	94	65	51	14	(6)	29	28	1	21.5	31
Vermont	37	28	22	6	1	9	9	---	23.2	28

TABLE 5.25--*Continued*

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a Percent of Employees in Non-agricultural Establishments	
		Total	AFL-CIO	Unaffiliated: National	Unaffiliated: Local Unions[2]	Total	Professional & State Assn.[3]	Municipal Assn.[4]	Percent	Ranking
Virginia[5]	288	247	178	46	23	41	41	(6)	16.1%	43
Washington	485	438	344	82	13	47	46	1	40.6	5
West Virginia	239	218	126	80	12	21	21	---	41.9	3
Wisconsin	548	490	381	103	6	58	54	4	32.1	15
Wyoming[5]	33	25	20	4	(6)	8	8	(6)	24.3	25
Membership not classifiable[7]	149	146	121	4	20	4	4	---	---	--

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Directory of National Unions and Employee Associations, 1975.

[1] Based on reports from 129 national labor unions and estimates for 46. Also included are local unions directly affiliated with the AFL-CIO and members in single-firm and local unaffiliated unions.

[2] For source of membership in single-firm and local unaffiliated unions, see Unaffiliated Intrastate and Single-Employer Unions, 1967, Bulletin 1640 (Bureau of Labor Statistics, 1969).

[3] Includes members of 37 professional and State employee associations.

[4] Membership in municipal associations was reduced by 30,000 to eliminate duplication of professional members included in the previous column. Membership by State is based on unpublished data. For other statistics on municipal associations, see Municipal Public Employee Associations, Bulletin 1702 (Bureau of Labor Statistics, 1971).

[5] Has a right-to-work law.

[6] Less than 500 members.

[7] Includes local unions directly affiliated with the AFL-CIO.

NOTE: Because of rounding, sums of individual items may not equal totals.

6.00

TRANSPORTATION

The ability to transport people and products expeditiously from place to place is vital to a region's economic growth and development. A well-developed network of highways, railroads, airline routes, and other transportation services facilitates commerce, expands individual choice in the market, and promotes social interaction. Information contained in this section describes the extent and recent growth of travel and transport in North Dakota. In addition, data are provided on types and amounts of commodities moving into and out of North Dakota via public transport.

The principal source of information concerning the highway system and motor vehicle transportation is the North Dakota State Highway Department's Transportation Services Division. The Transportation Services Division (in cooperation with the Federal Highway Administration) collects data from records and reports of federal, state, and local agencies on highway mileage, highway travel, motor vehicle registration and fuel consumption, and highway finance, which are published annually in *North Dakota Highway Statistics.* Financial data pertaining to all modes of transportation are provided in the Division's unpublished report, "Financing North Dakota's Transportation System." Data concerning motor vehicle accidents and fatalities are taken from *North Dakota Vehicular Accident Facts,* published annually by the North Dakota Highway Department.

Statistics relating to trucking firms and railroads operating in North Dakota were obtained from unpublished data supplied by the North Dakota Public Service Commission, the state agency which regulates these transportation forms, and from its published *Annual Report.* Included is information on the number of carriers, operating revenues and expenses, and data relating to commodity types and amounts transported.

Data on passenger boardings at North Dakota's commercial airports were obtained from *Airport Activity Statistics of Certified Air Route Carriers,* published by the U.S. Department of Transportation. Additional data pertaining to airports and airline flights were provided by the North Dakota Aeronautics Commission.

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TABLE 6.01

SOURCES OF TRANSPORTATION FUNDS BY LEVEL OF GOVERNMENT AND MODE OF TRANSPORTATION, NORTH DAKOTA, FISCAL YEAR, 1977 ($ Millions)

Mode	Level of Government					
	Federal	State	Counties	Townships	Cities	All Levels
Highways	62,952	62,066	10,218	5,073	38,262	178,571
Aeronautics	1,060	913	90	---	3,285	5,348
Transit	428	10	109	---	737	1,284
Bikeways	28	---	10	---	5	43
All Modes	64,468	62,989	10,427	5,073	42,289	185,246

SOURCE: North Dakota State Highway Department, Transportation Services Division, Financing North Dakota's Transportation System, November 1978, (unpublished).

TABLE 6.02

TRANSPORTATION EXPENDITURES BY TYPE OF EXPENDITURE AND MODE OF TRANSPORTATION, NORTH DAKOTA, FISCAL YEAR, 1977 ($ Million)

Mode	Administration	Capital Outlay	Debt Service	Law Enforcement & Safety	Maintenance	Planning & Research	Total
Highways	7,367	101,242	10,618	6,862	36,843	1,195	164,127
Aeronautics	295	3,658	717	---	1,846	---	6,516
Transit	43	251	---	---	750	48	1,092
Bikeways	---	38	---	---	5	---	43
All Modes	7,705	105,189	11,335	6,862	39,444	1,243	171,778

SOURCE: North Dakota State Highway Department, Transportation Services Division, Financing North Dakota's Transportation System, November 1978 (unpublished).

TABLE 6.03

REVENUES AND EXPENDITURES FOR TRANSPORTATION PURPOSES BY LEVEL OF GOVERNMENT, NORTH DAKOTA, FISCAL YEAR, 1977

Level of Government[1]	Revenues (Millions)	% of Total Revenues	Expenditures (Millions)	% of Total Expenditures
Federal	$ 64.4	35%	$-----	---%
State	63.0	34	91.4	53
County	10.4	6	24.7	14
Township	5.1	3	7.6	5
City	42.3	22	48.1	28
TOTAL	185.2[2]	100	171.8[3]	100

SOURCE: North Dakota State Highway Department, Transportation Services Division, Financing North Dakota's Transportation System, November 1978, (unpublished).

[1] Revenue collected by a popular level of government is not necessarily expended by that level of government (e.g., Federal revenues are transferred to state and local units for expenditure).

[2] Excludes 13 million dollars received by school districts for bussing. Figure also excludes public investment in military or defense transportation, subsides to Amtrak or commercial airline operation, and private sector funds allocated to rail improvements, private airports, etc.

[3] Excludes 13 million dollars expended by school districts for bussing.

TABLE 6.05

MILEAGE OF THE NORTH DAKOTA STATE HIGHWAY SYSTEM BY TYPE OF SURFACE, SELECTED YEARS, 1955-1977

Year	Surface Types			Graded and Drained	Total Mileage
	Bituminous	P.C. Concrete	Gravel		
1955	2,815.4	162.8	3,320.6	194.3	6,493.1
1960	4,616.6	309.5	1,334.4	2.1	6,262.6
1965	5,418.7	465.6	644.6	-----	6,528.9
1966	5,608.8	492.0	465.7	-----	6,566.5
1967	5,743.9	519.7	363.3	-----	6,626.9
1968	5,868.1	528.2	315.7	-----	6,712.0
1969	5,871.0	556.0	319.0	-----	6,746.0
1970	5,880.0	590.0	327.0	-----	6,797.0
1971	5,995.0	614.0	251.0	-----	6,860.0
1972	6,019.0	628.0	259.0	-----	6,906.0
1973	6,046.0	625.0	260.0	4.0	6,935.0
1974	6,158.0	631.0	185.0	4.0	6,978.0
1975	6,194.0	656.0	139.0	4.0	6,993.0
1976	6,272.0	682.0	93.0	-----	7,047.0
1977	6,331.0	649.0*	90.0	-----	7,070.0

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

* Change in classifying mileage of 4 lane highways which have traffic lanes of two different surface types.

TABLE 6.06

MILEAGE OF THE NORTH DAKOTA STATE HIGHWAY SYSTEM BY COUNTY,*
December 31, 1977

County	Inter-state	Primary	Secondary	Urban	State System Only	Total State Highway Mileage
NORTH DAKOTA	571.1	5,593.2	856.6	17.4	31.2	7,069.5
Adams	-----	63.9	11.9	----	----	75.8
Barnes	36.3	125.9	38.9	----	----	201.1
Benson	-----	173.0	-----	----	0.3	173.3
Billings	19.1	28.5	-----	----	0.8	48.4
Bottineau	-----	133.8	27.5	----	2.2	163.5
Bowman	-----	69.7	9.7	----	----	79.4
Burke	-----	79.4	46.6	----	----	126.0
Burleigh	36.5	110.7	30.3	8.4	2.8	188.7
Cass	88.7	108.3	26.6	2.2	----	225.8
Cavalier	-----	111.6	25.9	----	----	137.5
Dickey	-----	103.0	18.3	----	1.0	122.3
Divide	-----	84.6	25.5	----	----	110.1
Dunn	-----	123.8	18.3	----	----	142.1
Eddy	-----	77.4	-----	----	----	77.4
Emmons	-----	96.9	9.9	----	----	106.8
Foster	-----	73.9	-----	----	----	73.9
Golden Valley	21.2	-----	25.2	----	----	46.4
Grand Forks	37.7	148.1	1.8	4.4	2.8	194.8
Grant	-----	109.4	-----	----	----	109.4
Griggs	-----	73.7	9.4	----	----	83.1
Hettinger	-----	99.2	-----	----	----	99.2
Kidder	30.2	80.8	-----	----	----	111.0
La Moure	-----	101.2	2.0	----	----	103.2
Logan	-----	75.1	33.9	----	0.8	109.8
McHenry	-----	163.9	-----	----	----	163.9
McIntosh	-----	111.6	-----	----	----	111.6
McKenzie	-----	195.6	27.4	----	1.5	224.5
McLean	-----	197.6	87.8	----	1.9	287.3
Mercer	-----	87.8	1.9	----	5.2	94.9
Morton	62.5	138.0	9.2	1.6	3.0	214.3
Mountrail	-----	157.1	17.8	----	----	174.9
Nelson	-----	117.1	12.2	----	----	129.3
Oliver	-----	57.7	9.1	----	----	66.8
Pembina	32.6	133.9	25.3	----	3.4	195.2
Pierce	-----	100.1	10.0	----	----	110.1

TABLE 6.06--*Continued*

County	Inter-state	Primary	Secondary	Urban	State System Only	Total State Highway Mileage
Ramsey	-----	147.4	-----	----	----	147.4
Ransom	-----	60.6	-----	----	----	60.6
Renville	-----	51.5	21.6	----	----	73.1
Richland	48.2	148.1	-----	0.8	0.8	197.9
Rolette	-----	73.4	46.8	----	4.0	124.2
Sargent	-----	98.7	-----	----	----	98.7
Sheridan	-----	75.1	-----	----	----	75.1
Sioux	-----	100.9	-----	----	----	100.9
Slope	-----	54.0	17.8	----	----	71.8
Stark	54.9	81.0	-----	----	----	135.9
Steele	-----	61.9	9.7	----	----	71.6
Stutsman	48.1	193.9	30.8	----	----	272.8
Towner	-----	92.5	21.9	----	----	114.4
Traill	30.9	62.0	10.9	----	----	103.8
Walsh	24.2	128.4	19.0	----	----	171.6
Ward	-----	187.6	39.8	----	0.2	227.6
Wells	-----	127.8	13.0	----	0.5	141.3
Williams	-----	136.1	62.9	----	----	199.0

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1978.

* Includes municipal extensions.

TABLE 6.07

NET DISBURSEMENTS FOR NORTH DAKOTA HIGHWAYS BY ALL UNITS OF GOVERNMENT, BY TYPE OF EXPENDITURE, SELECTED FISCAL YEARS, 1970-1978

Expenditure Category	1970	1975	1977	1978
Construction	$ 52,579,607	$ 77,928,419	$ 101,242,091	$ 90,480,635
Maintenance	20,446,234	31,596,621	36,842,890	41,637,148
Administration	2,688,917	4,091,865	4,975,039	5,068,027
Planning & Research	722,974	782,377	1,195,475	908,167
Traffic & Safety	147,969	338,106	457,565	924,362
Drivers Licenses	363,795	404,248	781,079	733,021
Truck Regulation	734,591	1,161,714	1,276,466	1,458,982
Travel Bureau	218,770	533,033	444,487	529,815
Debit Service:				
Principal Payments	4,456,203	5,487,079	7,083,930	8,738,561
Interest Payments	2,114,717	2,350,441	3,533,862	4,428,042
Highway Law Enforcement	1,038,237	3,858,860	5,128,010	5,224,855
Miscellaneous	443,129	665,127	220,729	313,407
Mass Transit	-------	-------	228,141	196,231
Construction (Buildings)	-------	674,882*	945,473**	-------
TOTAL	85,955,143	129,872,592	164,355,237	160,641,253

SOURCE: North Dakota State Highway Department in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

* Construction of state laboratory.

** Construction of district office building.

TABLE 6.04

MILEAGE OF NORTH DAKOTA ROADS AND STREETS BY ADMINISTRATIVE SYSTEM, SELECTED YEARS, 1961-1977

System	Mileage as of December 31								
	1961	1963	1965	1967	1969	1971	1973	1975	1977
State									
Interstate	586	584	584	580	578	579	579	582	571
Primary	3,882	4,055	4,078	4,104	4,105	4,146	4,188	4,167	5,486
Secondary	1,829	1,683	1,865	1,941	2,061	2,133	2,164	2,213	857
Urban	------	------	------	------	------	------	------	27	18
State System Only[1]	2	2	2	2	2	2	4	4	31
Total State System[2]	6,299	6,324	6,529	6,627	6,746	6,860	6,935	6,993	7,070
County									
Federal Aid	11,070	11,430	11,394	11,488	11,513	11,645	11,777	11,780	9,360
Regular[3]	6,684	6,319	6,182	6,316	6,231	6,162	6,037	6,105	------
Total[4]	17,754	17,749	17,577	17,804	17,744	17,807	17,814	17,885	------
Township Roads[5]	75,840	77,935	80,454	80,132	78,784	78,468	77,968	77,497	85,712
City Streets[6]	1,820	1,975	1,983	2,021	2,097	2,079	2,207	2,259	3,044
Natl. Indian Reservation Roads	562[7]	576[7]	569[7]	579[7]	494	486	486	497	465
Natl. Park Roads	------	------	------	------	53	53	53	53	54
Natl. Forest Service Roads	------	------	------	------	728	751	752	742	742
Natl. Land Mgmt. Roads	------	------	------	------	3	3	3	3	3
Natl. Military Res. Roads	------	------	------	------	------	------	3	3	3
State Park & Res. Roads	------	------	------	------	23	23	26	28	29
Total Roads and Streets	102,275	104,559	107,111	107,163	106,671	106,530	160,247	105,960	106,482

SOURCE: North Dakota Highway Dept. in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

[1] Not eligible for Federal-aid.

[2] Includes municipal extensions of State highways.

[3] Included with Township roads for 1977.

[4] Includes municipal extensions of County highways for all years except 1977.

[5] Includes trails, unincorporated city streets, and (for all years but 1977) municipal extensions of Township roads.

[6] Excludes municipal extensions for all years but 1977 which includes extensions of County and Township roads. See notes 3-5 above.

[7] Combined figure for Reservation and State and Federal Park roads.

TABLE 6.08

SUMMARY OF NORTH DAKOTA REVENUES COLLECTED BY THE STATE FOR USE ON ROADS AND STREETS, SELECTED YEARS, 1955-1978

		Motor and Special Fuels Taxes				Miscellaneous Road-User Revenue		
			Special Fuels					
Year	Motor Vehicle Registration & Related Fees	Gasoline	¢ Per Gallon Tax[1]	2% Retail Sales Tax	Total Motor & Special Fuels Taxes	Truck Fees	Driver License Fees	Total Revenue
1955	$ 6,912,091	$ 7,930,413	$ 307,364	$---------	$ 8,237,777	$ 684,727	$---------	$15,834,595
1960	9,134,310	10,798,985	783,005	563,618	12,145,608	443,802	---------	21,723,720
1965	11,237,308	12,156,861	1,853,283	793,807	14,803,951	770,642	---------	26,811,901
1970	14,115,891	16,342,274	1,873,659	876,477	19,092,410	1,203,302	26,268[2]	34,437,871
1971	13,246,223	18,033,094	2,599,846	1,005,125	21,638,065	1,388,556	98,252[2]	36,371,096
1972	13,971,914	20,255,294	2,965,427	1,005,107	24,225,828	1,633,874	66,280[2]	39,897,896
1973	14,638,259	20,825,951	3,124,534	1,073,006	25,023,491	1,915,061	---------	41,576,811
1974	16,483,536	20,359,553	3,486,887	1,546,438	25,392,878	2,327,588	---------	44,204,002
1975	17,625,584	21,109,948	3,444,073	2,087,788	26,641,809	2,408,274	---------	46,675,667
1976	18,919,401	22,726,560	3,876,031	2,302,180	28,904,771	2,756,974	776,729	51,357,875
1977	19,504,195	24,575,095	4,597,013	2,601,065	31,773,173	3,233,826	1,374,750	55,885,944
1978	22,255,575	27,305,238	4,970,112	2,971,684	35,247,034	3,479,415	1,294,623	62,276,647

SOURCE: North Dakota Highway Dept. in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

[1] 6¢ effective 7/1/55, 7¢ effective 7/1/69, 8¢ effective 7/1/77.

[2] That portion of fees marked for construction of law enforcement training center.

TABLE 6.11

AVERAGE COST PER MILE FOR NORTH DAKOTA HIGHWAY MAINTENANCE, 1972-1977

Type of Highway	Maintenance Cost/Mile for Year: 1972	1973	1974	1975	1976	1977
State Highway						
2 Lane	$1,124	$ 960	$1,063	$1,285	$1,692	$1,693
4 Lane Divided	1,814	2,094	1,983	2,285	2,890	2,830
All Types	-----	1,048	1,139	1,369	1,799	1,797
County Highway	332	364	428	524	549	567
Township Highway	58	67	82	103	122	113
City Street in City Size of:						
Under 1,000 population	566	707	786	928	1,117	894
1,000 - 4,999 pop.	2,085	1,976	2,327	2,351	2,586	2,287
5,000 and over pop.	2,672	3,239	3,221	3,991	4,315	4,314
All Sizes	-----	1,755	1,879	2,231	2,476	2,311

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.13

NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS BY TYPE OF VEHICLE, SELECTED YEARS, 1950-1978

Calendar Year	Registrations				
	Passenger Vehicles[1]	Trucks[2]	Buses[3]	Subtotal	Motor-cycles
1950	191,312	82,016	107	273,435	1,050
1955	209,224	96,071	59	305,354	889
1960	230,523	108,826	50	339,399	1,413
1965	260,115	128,023	37	388,175	5,791
1970	266,832	152,581	34	419,447	11,293
1971	276,986	158,004	37	435,027	13,278
1972	288,889	165,370	36	454,295	15,744
1973	302,724	178,133	36	480,893	18,738
1974	320,771	195,895	37	516,703	22,387
1975	331,484	209,157	30	540,671	24,742
1976	337,281	215,730	30	553,041	24,590
1977	346,705	223,007	23	569,735	26,027
1978	355,135	233,056	20	588,211	27,035

Calendar Year	Registrations			
	Snow-mobiles[4]	Publicly Owned Vehicles[5]	Trailers[6]	Total Regis-trations
1950	-------	1,748	2,771	279,004
1955	-------	2,462	3,943	312,648
1960	-------	4,045	5,356	350,213
1965	-------	5,712	7,289	407,510
1970	12,192	7,027	10,670	460,629
1971	17,615	7,378	12,272	485,570
1972	7,805	7,509	16,521	501,874
1973	14,653	7,680	18,923	540,887
1974	9,295	7,927	22,165	578,477
1975	19,513	8,197	24,095	617,218
1976	7,329	8,443	26,195	619,598
1977	15,905	8,573	27,393	647,633
1978	5,345	8,805	33,460	662,856

SOURCE: North Dakota Highway Dept. in cooperation with U. S. Dept. of Transportation, Highway Statistics, various years.

[1] Includes taxicabs, intracity and private buses, ham radio operators, antique, letter plate, veterans, and house cars.

[2] Includes farm trucks, well drillers, housemovers, soil conservation trucks, letter plate and ham radio operators.

[3] Commercial intercity and interstate buses.

[4] Snowmobiles are registered for a two year period beginning July 1st of each odd numbered year.

[5] Vehicles owned by the State and local units of government.

[6] Includes commercial, mobile, travel, and private trailers.

TABLE 6.09

APPORTIONMENT OF FEDERAL HIGHWAY AID TO NORTH DAKOTA BY FEDERAL-AID SYSTEMS FOR FISCAL YEARS ENDING JUNE 30, SELECTED YEARS, 1950-1978

Fiscal Year	Sums of Aid Apportioned For:								
	Primary Highways			Secondary Highways[a]		Urban Highways			Interstate Highways
	Regular	Priority	Rural	Regular	Rural	Ext. of State Hwy. System	Topics	Urban System	
1950	$ 2,951,523	$---------	$----------	$2,127,843	$---------	$190,644	$-------	$---------	$----------
1955	3,572,139	---------	----------	2,593,772	---------	228,084	-------	---------	363,355
1960	5,587,148	---------	----------	4,078,803	---------	380,768	-------	---------	11,019,625
1965	5,477,956	---------	----------	4,016,700	---------	425,440	-------	---------	11,831,265
1970	6,447,352	---------	980,934	4,710,391	717,376	483,105	351,349	---------	23,679,400
1971	6,412,046	---------	975,562	4,684,715	713,465	480,653	349,566	---------	23,559,200
1972	6,342,063	---------	965,000	4,570,966	696,142	495,597	180,217	43,798	19,600,000
1973	6,348,538	---------	965,968	4,575,107	696,773	495,597	180,217	43,798	19,761,823
1974	----------	806,046	8,873,562	---------	5,089,249	524,510[b]	-------	3,764,085	12,661,453
1975	----------	1,628,711	9,228,719	---------	5,273,554	537,948	-------	3,850,400	14,744,089
1976	----------	2,376,088	10,216,227	---------	5,746,628	532,459	-------	3,860,600	15,006,408
1977[c]	5,875,398	---------	----------	---------	5,367,000	-------	-------	3,980,000	----------
1977	12,373,373	---------	----------	---------	5,357,812	-------	-------	3,890,450	404,623
1978	12,105,312	---------	----------	---------	5,234,288	-------	-------	3,890,450	18,241,981[d]

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[a] For 1950 and subsequent fiscal years, after deduction of 1 1/2% for highway research, 50% of secondary funds allocated for county FAS highways.

[b] Includes $9,800 of reapportionment of Urban Extension Funds withdrawn from projects programmed for the San Antonio North Expressway.

[c] Transitional quarter apportionment. Federal government changed fiscal year from June 30 to September 30.

[d] Includes apportionment for interstate rehabilatating in amount of $2,435,823.

TABLE 6.09--*Continued*

Fiscal Year	Sum of Aid Apportioned For:			Other Funds Apportioned					Total Sums Apportioned
	Off-System Roads	Metropolitan Planning	Subtotal	Emergency Relief[e]	Defense Access Roads[f]	Forest Highways	Beautification	Highway Safety	
1950	$---------	$-------	$ 5,270,010	$---------	$---------	$ 83	$---------	$---------	$ 5,270,093
1955	---------	-------	6,757,350	---------	---------	80	---------	---------	6,757,430
1960	---------	-------	21,066,344	---------	3.944	117	---------	---------	21,070,405
1965	---------	-------	21,751,361	215,738	398,718	117	---------	---------	22,365,934
1970	---------	-------	37,369,907	283,521	435,461	330,117[g]	379,622	---------	38,798,628
1971	---------	-------	37,175,207	---------	1,735.674	117	---------	---------	38,910,998
1972	---------	-------	32,893,783	1,875,000[e]	1,706,632	117	643,000[h]	808,492	37,927,024
1973	---------	-------	33,067,821	324,750[e]	2,125,827	117	644,000[h]	1,027,889	37,190,404
1974	---------	117,370	31,836,275	78,528[e]	4,372,899	117	597,500	2,267,144	39,152,463
1975	---------	132,300	35,395,721	956,155[e]	2,359,221	117	2,465,925	4,269,378	45,446,517
1976	3,532,870	137,013	41,408,293	143,613	2,325,890	300,117[g]	1,706,077[h]	4,666,546	50,550,536
1977	---------	272,000[i]	15,494,398	---------	---------	29	---------	508,043	16,002,470
1977	2,269,681	140,519	24,436,458	1,537,771[e]	660,273	117	772,770[h]	4,261,436	31,668,825
1978	2,235,270	146,014	41,853,315	2,071,343[e]	2,279,029[j]	117	759,252[h]	4,095,243	51,058,299

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1978.

[e] Includes apportionment for replacement of unsafe bridges because of structural deficiencies, physical deterioration, or functional obsolescence as follows: Year 1972 - $1,875,000; Year 1973 - $324,750; Year 1974 - $78,528; Year 1975 - $700,655; Year 1977 - $335,320; and Year 1978 - $542,314.

[f] Funds received from U.S. Department of Defense for construction and maintenance of ABM and Missile Complex access roads.

[g] Includes public land funds, $280,000 for 1966; $300,000 for 1968; $240,000 for 1969; $330,000 for 1970; $300,000 for 1976.

[h] Includes funds apportioned for Economic Growth Center as follows: Year 1972 - $643,000; Year 1973 - $644,000; Year 1976 - $1,316,077; Year 1977 - $740,900; Year 1978 - $727,382.

[i] Apportioned for Highway Planning and Research.

[j] Includes apportionment for access highways to recreational areas in the amount of $750,000.

TABLE 6.10

AVERAGE COST PER MILE FOR RURAL HIGHWAY CONSTRUCTION IN NORTH DAKOTA, 1972-1977

Type of Highway	Total Construction Cost/Mile for Year:					
	1972	1973	1974	1975	1976	1977
State Highways						
4 Lane Divided Interstate Highway	$651,333	$853,411	$903,874	$811,739	$800,019	$-------
2 Lane Added to Existing 2 Lane Highway	-------	-------	-------	-------	313,976	326,831
2 Lane 52' Roadbed, 400+ ADT Highway	154,087	159,848	215,431	238,197	251,642	203,485
2 Lane 38' Roadbed, 50-400 ADT Highway	98,362	93,226	110,910	142,430	151,771	125,380
Widen Shoulders and Resurface	80,980	98,930	130,003	143,296	150,627	156,224
County Federal Aid Secondary Highway, 32' Roadbed	43,054	45,644	67,737	72,356	80,029	94,023
Township Highway	3,060	3,302	3,925	4,595	5,491	5,957

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.12

HISTORIC TREND IN NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS, MOTOR FUEL CONSUMPTION ON HIGHWAYS, AND VEHICLE MILES OF HIGHWAY TRAVEL, SELECTED YEARS, 1920-1978

		Motor Vehicle Registrations		Gallons of Fuel Taxed for Highways		Annual Vehicle Miles of Travel in North Dakota	
Calendar Year	Population[2]	Total Vehicles Registered	Persons Per Vehicle	Total Gallons Taxed (Thousands)	Gallons Per Vehicle	Total Vehicle Miles of Travel (Millions)	Miles Per Vehicle
1920	646,872	91,799	7.0	21,587	235	287	3,127
1930	680,845	183,019	3.7	65,525	358	930	5,081
1940	641,935	183,092	3.5	85,780	469	1,284	7,013
1950	619,636	275,183	2.3	134,913	490	2,102	7,639
1960	632,446	343,780	1.8	210,443	612	3,079	8,956
1970	617,761	426,474	1.5	301,592	707	3,807	8,927
1971	628,000	442,405	1.4	320,660	725	3,995	9,030
1972	634,000	461,804	1.4	347,061	752	4,116	8,913
1973	635,000	488,573	1.3	369,942	757	4,300	8,801
1974	637,000	524,630	1.2	352,934	673	4,371	8,332
1975	637,000	549,378	1.2	377,171	672	4,502	8,195
1976	645,000	561,484	1.1	413,815	737	4,783	8,518
1977	653,000	578,308	1.1	422,076	730	4,962	8,580
1978	652,000	597,016	1.1	442,394[3]	741[3]	5,287	8,856

SOURCE: North Dakota State Highway Department in cooperation with the U.S. Department of Transportation, Highway Statistics, various years.

[1] Private and official passenger cars, trucks, and buses. Excludes motorcycles and snowmobiles.

[2] Estimated 1971-1978.

[3] Estimated.

TABLE 6.14

NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS BY COUNTY, SELECTED YEARS, 1950-1978*

County	Year										
	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977	1978
Adams	2,554	2,968	3,607	3,628	3,747	4,012	4,328	4,406	4,354	4,516	4,583
Barnes	7,901	9,254	11,825	12,331	12,551	13,103	13,824	14,682	14,637	15,162	15,390
Benson	4,316	5,054	6,107	6,293	6,468	6,826	7,345	7,779	7,629	7,832	8,044
Billings	757	834	1,015	1,023	1,022	1,042	1,086	1,117	1,062	1,082	1,125
Bottineau	5,811	6,810	8,555	8,819	8,777	9,510	10,034	10,875	10,409	10,855	10,600
Bowman	2,311	2,940	3,715	3,905	3,955	4,257	4,748	5,006	5,023	5,216	5,397
Burke	3,501	3,876	4,557	4,745	4,718	4,987	3,305	5,613	5,318	5,405	5,327
Burleigh	10,959	17,293	27,797	29,937	31,882	34,681	37,514	41,022	43,577	47,511	50,527
Cass	24,553	32,611	47,245	51,562	54,876	59,326	64,101	69,760	72,179	77,835	79,566
Cavalier	5,177	6,015	7,891	8,912	9,533	10,869	11,171	11,403	11,122	10,180	9,933
Dickey	3,996	4,605	5,693	5,700	5,859	6,409	6,801	7,178	7,126	7,475	7,547
Divide	3,366	3,554	4,173	4,276	4,364	4,660	5,036	5,219	5,137	5,134	5,189
Dunn	2,974	3,178	3,842	3,910	3,928	4,161	4,308	4,350	4,204	4,286	4,666
Eddy	2,310	2,729	3,341	3,498	3,541	3,717	4,012	4,163	4,114	4,221	4,324
Emmons	3,864	4,736	5,548	5,635	5,815	6,149	6,354	6,592	6,583	6,711	6,796
Foster	2,537	3,235	3,996	4,194	4,337	4,628	4,926	5,163	5,262	5,455	5,627
Golden Valley	2,032	2,192	2,487	2,533	2,594	2,814	2,996	3,053	3,042	3,085	3,175
Grand Forks	15,083	21,357	33,339	35,810	37,570	40,719	43,047	46,003	48,014	51,473	52,051
Grant	3,072	3,789	4.269	4,412	4,501	4,752	4,987	5,012	4,920	5,022	5,147
Griggs	2,651	3,157	3,920	4,100	4,185	4,536	4,815	4,982	4,743	4,734	4,777
Hettinger	3,692	4,056	4,675	4,854	4,972	5,315	5,664	5,784	5,682	5,800	5,792
Kidder	2,405	2,871	3,529	3,625	3,715	3,901	4,175	4,301	4,265	4,450	4,531
La Moure	4,477	5,236	6,503	6,665	6,866	7,269	7,759	8,090	7,995	8,168	8,331
Logan	2,656	3,024	3,363	3,608	3,753	3,935	4,039	4,182	4,145	4,255	4,377
McHenry	5,714	6,329	7,380	7,659	7,668	8,303	8,890	9,409	9,058	9,262	9,424
McIntosh	3,350	3,952	4,517	4,532	4,618	4,811	5,055	5,273	5,176	5,424	5,515
McKenzie	3,619	4,546	5,511	5,510	5,642	6,025	6,331	6,522	6,419	6,623	6,889
McLean	8,633	8,212	9,945	10,300	10,370	11,277	12,109	12,781	12,724	13,236	13,792
Mercer	3,800	3,999	5,284	5,587	5,559	6,125	6,497	7,068	7,193	7,658	8,195

TABLE 6.16

NORTH DAKOTA DRIVERS LICENSES IN FORCE BY AGE OF DRIVER, SELECTED YEARS, 1970-1978

	Year				
Age	1970	1975	1976	1977	1978
14	235	467	445	311	250
15	2,844	4,686	4,478	4,302	4,495
16	7,628	9,735	9,295	9,324	9,239
17	9,722	11,374	11,717	11,290	11,290
18	10,585	11,390	11,512	11,745	11,689
19	10,403	11,698	11,853	11,845	12,209
20	9,028	10,956	11,224	11,182	11,473
21	9,257	10,862	11,451	11,615	11,632
22	8,554	10,240	10,875	11,239	11,370
23	8,265	10,051	10,454	10,952	11,079
24	7,116	9,408	10,360	10,454	10,873
25-29	28,927	39,918	44,097	46,813	48,740
30-34	25,793	30,037	32,575	35,528	37,489
35-39	26,315	26,314	27,107	28,200	29,376
40-44	28,280	26,194	26,454	26,454	26,608
45-49	27,593	27,844	27,754	27,315	26,673
50-54	27,003	26,946	26,983	27,326	27,592
55-59	25,787	25,823	26,074	25,883	25,685
60-64	22,081	23,873	24,138	24,284	24,443
65-69	16,096	19,817	20,538	21,059	21,390
70 and over	19,393	24,921	26,277	27,819	29,455
TOTAL	330,905	372,554	385,661	394,940	403,050

SOURCE: North Dakota Highway Department in cooperation with U.S. Department of Transportation, Highway Statistics, various years.

TABLE 6.17

ANNUAL MOTOR VEHICLE MILES OF TRAVEL IN NORTH DAKOTA AND PERCENTAGE DISTRIBUTION OF TRAVEL BY ROAD AND STREET SYSTEM, SELECTED YEARS, 1955-1978

Year	Total Annual Vehicle Miles (Millions)	Percent of Annual Miles Traveled on:		
		Rural State Highways	Local Rural Roads and Streets	Incorporated City Streets
1955	2,356	54%	31%	15%
1960	3,079	50	30	20
1965	3,439	50	30	20
1966	3,477	49	30	21
1967	3,444	48	31	21
1968	3,549	48	31	21
1969	3,654	48	30	22
1970	3,807	49	29	22
1971	3,955	49	29	22
1972	4,116	50	28	22
1973	4,300	50	27	23
1974	4,371	50	27	23
1975	4,502	49	27	24
1976	4,783	49	26	25
1977	4,962	48	26	26
1978	5,287	48	25	27

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.14--*Continued*

County	Year										
	1950	1960	1970	1971	1972	1973	1974	1975	1976	1977	1978
Morton	7,729	10,264	13,960	14,846	15,402	16,856	18,134	19,565	20,310	21,886	23,396
Mountrail	5,166	6,167	7,062	7,509	7,434	8,073	8,701	9,230	8,721	8,859	9,212
Nelson	3,803	4,498	5,561	5,951	5,865	6,278	6,563	7,077	7,074	6,968	6,758
Oliver	1,201	1,195	1,722	1,773	1,856	1,974	2,065	2,307	2,322	2,417	2,435
Pembina	6,746	8,017	9,813	10,299	10,988	12,049	12,514	12,946	12,407	12,598	12,539
Pierce	3,685	4,111	5,730	5,709	5,828	6,090	6,413	6,804	6,537	6,669	6,666
Ramsey	6,325	7,519	9,936	10,426	10,687	11,452	12,108	12,802	12,885	13,299	13,237
Ransom	3,972	4,575	5,373	5,488	5,727	6,160	6,798	7,057	6,869	7,095	7,164
Renville	2,835	3,013	3,874	3,930	3,928	4,372	4,721	5,115	4,652	4,699	4,616
Richland	8,884	10,081	12,950	13,708	13,692	14,964	16,501	17,682	17,576	18,491	18,506
Rolette	3,408	3,987	6,202	6,676	6,987	7,665	8,222	8,829	8,476	8,896	9,091
Sargent	3,355	3,860	4,779	4,998	5,193	5,718	6,350	6,594	6,338	6,444	6,406
Sheridan	2,317	2,555	3,181	3,229	3,310	3,488	3,613	3,782	3,760	3,771	3,788
Sioux	1,029	1,304	1,639	1,773	1,910	2,037	2,184	2,251	2,098	2,163	2,281
Slope	1,211	1,273	1,376	1,371	1,379	1,479	1,561	1,641	1,599	1,567	1,594
Stark	6,711	8,929	12,841	13,519	14,130	15,347	16,171	17,011	17,649	18,936	20,567
Steele	2,672	3,177	3,659	3,693	3,631	3,895	4,079	4,327	4,160	4,260	4,162
Stutsman	9,653	13,092	17,180	18,050	18,786	20,428	21,568	23,031	23,329	24,567	25,299
Towner	3,199	3,681	4,596	4,718	4,690	5,019	5,403	5,727	5,390	5,532	5,367
Traill	6,054	6,817	8,008	8,397	8,432	9,126	9,797	10,613	10,502	10,743	10,651
Walsh	9,074	10,765	13,528	14,220	14,522	15,408	16,353	17,316	17,246	17,664	17,484
Ward	14,828	22,656	34,450	37,085	37,924	40,982	44,671	49,795	48,848	50,899	51,521
Wells	4,752	5,382	6,601	6,731	7,004	7,406	7,814	8,263	8,239	8,265	8,427
Williams	8,152	13,036	15,817	16,084	16,503	17,714	19,024	20,307	20,576	21,784	23,117
Out-of-State	1,383	2,589	3,314	4,112	4,604	4,735	5,488	5,781	6,057	6,360	6,646
Total	276,227	344,955	456,981	481,858	497,798	536,834	574,073	612,641	614,732	642,948	657,567

SOURCE: North Dakota Motor Vehicle Registrar. * Excludes private utility trailer registrations.

TABLE 6.15

NORTH DAKOTA MOTOR VEHICLE REGISTRATION BY TYPE, BY COUNTY, 1978

County	Passenger Cars[1]	Trucks	Official Vehicles	House Cars	Motor-cycles	Farm Trucks	Commercial Trailers	Travel Trailers	Snow-mobiles[2]	Total Registration[3]
Adams	1,923	1,988	30	31	191	111	148	130	16	4,583
Barnes	7,793	5,403	230	108	709	407	303	237	171	15,390
Benson	3,709	3,281	120	41	247	259	197	132	44	8,044
Billings	436	577	16	3	28	30	24	5	3	1,125
Bottineau	4,770	4,314	167	98	357	332	127	189	228	10,600
Bowman	2,305	2,369	46	62	128	123	189	140	14	5,397
Burke	2,280	2,270	83	71	191	189	74	131	34	5,327
Burleigh	31,107	11,796	1,572	738	2,372	204	843	1,553	226	50,527
Cass	51,511	18,222	852	693	3,162	1,038	1,287	1,984	668	79,566
Cavalier	4,337	3,893	98	128	424	480	184	257	118	9,933
Dickey	3,647	2,828	103	48	313	214	209	122	53	7,547
Divide	2,054	2,279	77	56	226	253	85	109	38	5,189
Dunn	1,932	2,165	85	24	134	127	115	41	37	4,666
Eddy	2,059	1,654	34	44	152	134	132	73	27	4,324
Emmons	3,089	2,821	81	58	253	111	131	155	87	6,796
Foster	2,591	2,062	67	73	259	243	156	111	40	5,627
Golden Valley	1,346	1,402	33	32	112	108	73	34	28	3,175
Grand Forks	32,756	12,610	592	465	2,295	1,031	459	1,409	384	52,051
Grant	2,045	2,466	49	36	151	114	155	93	31	5,147
Griggs	2,214	1,925	57	29	221	174	70	64	18	4,777
Hettinger	2,460	2,425	48	61	239	295	109	117	25	5,792
Kidder	1,981	1,904	48	35	168	74	192	78	40	4,531
La Moure	3,714	3,391	104	67	337	300	210	144	46	8,331
Logan	1,959	1,810	45	42	106	95	182	73	59	4,377
McHenry	4,235	3,918	121	74	310	254	245	154	92	9,424
McIntosh	2,655	2,174	87	61	146	90	144	98	44	5,515
McKenzie	2,697	3,022	88	50	234	312	241	178	53	6,889
McLean	6,287	5,483	174	133	539	403	224	391	131	13,792
Mercer	3,925	3,072	91	113	461	99	102	193	125	8,195
Morton	12,437	7,411	365	364	1,177	220	549	712	124	23,396

TABLE 6.15--*Continued*

County	Passenger Cars[1]	Trucks	Official Vehicles	House Cars	Motor-cycles	Farm Trucks	Commercial Trailers	Travel Trailers	Snow-mobiles[2]	Total Registration[3]
Mountrail	3,964	3,922	117	87	282	351	171	214	81	9,212
Nelson	3,110	2,712	108	45	214	283	97	146	35	6,758
Oliver	1,073	1,023	32	31	124	33	40	55	22	2,435
Pembina	5,985	4,487	146	89	424	823	204	226	120	12,539
Pierce	3,233	2,631	46	55	199	181	102	129	67	6,666
Ramsey	7,090	4,358	220	107	528	376	163	271	85	13,237
Ransom	3,628	2,480	89	38	277	210	199	173	55	7,164
Renville	1,925	2,007	61	45	137	195	70	101	60	4,616
Richland	9,778	5,884	207	124	853	756	260	365	216	18,506
Rolette	4,716	3,371	115	56	296	134	119	135	129	9,091
Sargent	3,080	2,268	80	36	255	230	273	131	41	6,406
Sheridan	1,588	1,631	41	34	176	145	80	68	19	3,788
Sioux	1,087	929	23	18	67	24	63	35	28	2,281
Slope	572	791	9	7	59	85	42	22	6	1,594
Stark	11,163	6,662	239	212	1,013	271	318	508	132	20,567
Steele	1,778	1,726	56	24	130	292	62	65	27	4,162
Stutsman	13,350	7,873	262	310	1,501	495	672	578	204	25,299
Towner	2,221	2,281	64	53	193	251	93	109	80	5,367
Traill	5,203	3,656	158	69	349	679	196	211	108	10,651
Walsh	8,547	6,276	233	105	570	1,075	161	309	159	17,484
Ward	30,169	14,352	543	793	2,233	612	688	1,622	422	51,521
Wells	4,049	3,062	101	67	360	402	166	152	46	8,427
Williams	11,435	8,245	301	262	1,035	551	435	643	179	23,117
Out-Of-State[4]	3,068	2,645		55	118	78	515	131	20	6,646
NORTH DAKOTA	348,066	216,207	8,805	6,560	27,035	16,356	12,348	15,506	5,345	657,567

SOURCE: North Dakota Motor Vehicle Department.

[1] Includes taxicabs, intractiy and private buses, and vehicles with special letter plate registrations.

[2] Registered for 2 year periods.

[3] Also includes vehicles other than categories specified; i.e., housemovers, antique cars, well drillers, ham operators, veterns, mobile homes, Soil Conservation trucks and interstate buses.

[4] Licensed in North Dakota but headquartered in other states.

TABLE 6.18

ESTIMATED ANNUAL VEHICLE MILES OF TRAVEL ON ALL NORTH DAKOTA ROADS AND STREETS BY TYPE OF VEHICLE, 1978

(Travel Shown in Thousands of Vehicle Miles)

Vehicle Type	Inter-State System	Principal Arterial System	Minor Arterial System	Major Collector System	Minor Collector System	Other Rural Roads	All Other Inc. City Streets	Uninc. City Streets	Total
Passenger Cars									
Local	348,253	635,968	700,347	476,344	68,420	196,938	266,149	7,736	2,700,155
Foreign	145,742	60,861	51,515	22,845	1,933	2,709	17,977	-----	303,582
Motorcycles	2,037	3,837	3,136	2,150	1,395	2,650	-------	-----	15,205
Buses[1]	9,290	10,245	11,155	9,619	4,365	16,843	160	-----	61,677
Single Unit Trucks									
Panels & Pickups[2]	163,375	349,596	398,305	282,538	73,342	278,210	44,693	1,013	1,591,072
2 Axle-6 Tire	20,201	36,100	54,839	39,552	10,418	56,302	6,065	461	223,938
3 Axle	14,019	16,512	25,881	16,438	3,218	27,562	619	-----	104,249
Semi Trailer Comb.									
3 Axle	1,516	1,460	1,256	993		412	80	-----	6,038
4 Axle	5,021	3,664	4,093	2,922	527	1,531	60	-----	17,818
5 Axle or More	116,443	52,751	41,981	20,985	1,950	3,062	339	-----	237,511
Full Trailer Comb.									
5 Axle or Less	8,166	4,132	2,929	1,294	690	2,297	-------	-----	19,508
6 Axle or More	2,571	2,385	1,173	68	128	412	-------	-----	6,737
TOTAL	836,634	1,177,511	1,296,610	875,748	166,707	588,928	336,142	9,210	5,287,490

SOURCE: North Dakota Highway Department in cooperation with the U.S. Department of Transportation, Highway Statistics, 1979.

[1] Commercial, School and Camper Buses Combine.

[2] 2 Axle - 4 Tire combined with Panels and Pickups.

TABLE 6.19

ANNUAL MOTOR VEHICLE MILES OF TRAVEL IN NORTH DAKOTA BY COUNTY AND PLACE OF TRAVEL, 1978

(Travel Shown in Thousands of Vehicle Miles)

County	Place of Travel			Total County Travel	Percent of Travel By County
	Rural Area	Cities Under 5,000 Population	Cities Over 5,000 Population		
Adams	28,039	3,442	------	31,481	0.60%
Barnes	137,482	3,168	23,427	164,077	3.10
Benson	69,472	4,531	------	74,003	1.40
Billings	33,623	412	------	34,035	0.64
Bottineau	85,440	10,729	------	96,169	1.82
Bowman	33,155	6,711	------	39,866	0.75
Burke	38,672	4,610	------	43,282	0.82
Burleigh	151,009	860	165,469	317,338	6.00
Cass	274,012	21,566	341,011	636,589	12.04
Cavalier	58,641	10,656	------	69,297	1.31
Dickey	48,671	7,968	------	56,639	1.07
Divide	33,197	3,707	------	36,904	0.70
Dunn	41,768	2,345	------	44,113	0.84
Eddy	24,554	3,772	------	28,326	0.54
Emmons	43,650	4,127	------	47,777	0.90
Foster	36,040	5,926	------	41,966	0.79
Golden Valley	27,928	3,139	------	31,067	0.59
Grand Forks	223,121	6,444	178,258	407,823	7.71
Grant	32,500	2,635	------	35,135	0.67
Griggs	28,961	3,259	------	32,220	0.61
Hettinger	32,178	4,283	------	36,461	0.69
Kidder	70,515	2,535	------	73,050	1.38
La Moure	55,529	4,395	------	59,924	1.13
Logan	22,700	2,364	------	25,064	0.47
McHenry	86,226	9,021	------	95,247	1.80

TABLE 6.20

MOTOR VEHICLE ACCIDENT FATALITIES AND FATALITY RATE, NORTH DAKOTA AND THE UNITED STATES, 1960-1978

Year	North Dakota		United States	
	Fatalities	Fatality Rate*	Fatalities	Fatality Rate*
1960	156	5.06	38,200	5.30
1961	143	4.53	38,000	5.20
1962	174	5.39	41,000	5.30
1963	193	5.80	43,000	5.50
1964	185	5.44	47,700	5.70
1965	162	4.71	49,000	5.57
1966	209	6.01	52,500	5.67
1967	201	5.84	51,559	5.34
1968	198	5.58	53,831	5.28
1969	182	4.99	55,032	5.16
1970	177	4.65	53,672	4.82
1971	227	5.70	53,761	4.54
1972	208	5.19	55,704	4.40
1973	208	4.83	55,113	4.19
1974	162	3.71	46,078	3.59
1975	169	3.75	45,511	3.42
1976	182	3.81	46,398	3.29
1977	180	3.63	47,671	3.25
1978	185	3.50	50,145	3.27

SOURCE: North Dakota Highway Dept., Transportation Service Division, North Dakota Vehicular Accident Facts, various years.

* Traffic deaths per 100 million vehicle miles of travel.

TABLE 6.23

COMMODITIES TRANSPORTED BY NORTH DAKOTA MOTOR CARRIERS BY TYPE OF COMMODITY AND CLASS OF CARRIER, 1975-1977[1]

Commodity	Class "A" Motor Carriers of Prop.			Spec. Motor Carriers of Prop.		
(tons)	1975	1976	1977	1975	1976	1977
Merchandise	223,267	236,253	254,446	49,935	50,728	36,961
Furn., Household Goods	14	83	78	3,893	4,201	4,586
Livestock	-------	-------	-------	167,196	141,205	131,778
Heavy set-up Equipment	-------	-------	-------	45,262	54,478	43,204
Petroleum Prod.	-------	-------	-------	277,472	324,037	578,946
Grain	-------	-------	-------	171,294	185,561	181,612
Cement	-------	-------	-------	7,346	1,097	7,904
Salt	-------	-------	-------	4,587	-------	344
Dairy Prod.	-------	-------	-------	15,161	15,912	8,539
Other	5,143	6,516	7,931	113,332	108,949	231,672
Total	228,424	242,852	262,475	855,478	886,168	1,225,546

Commodity	Contract Motor Carriers of Prop.			Ag. Motor Carriers of Prop.		
(tons)	1975	1976	1977	1975	1976	1977
Merchandise	17,893	16,066	818	-------	-------	---------
Furn., Household Goods	5,074	6,357	-------	-------	-------	---------
Livestock	-------	---------	-------	184,892	147,959	153,643
Heavy set-up Equipment	-------	---------	-------	-------	-------	---------
Petroleum Prod.	285,230	370,177	242,321	-------	-------	---------
Grain	5,087	10,681	21,438	60,109	37,225	30,140
Cement	15,036[2]	16,746[2]	31,267	-------	-------	---------
Salt	-------	---------	-------	-------	-------	---------
Dairy Prod.	29,265	26,769	34,128	82,674	84,658	77,154
Other	629,120	715,154	562,643	44,586	10,153	13,087
Total	986,705	1,161,950	892,615	372,261	279,995	274,024

Commodity	Special Petroleum Carriers		
(tons)	1975	1976	1977
Merchandise	--------	---------	---------
Furn., Household Goods	--------	---------	---------
Livestock	--------	---------	---------
Heavy set-up Equipment	--------	---------	---------
Petroleum Prod.	1,061,791	1,001,416	1,000,935
Grain	---------	---------	---------
Cement	---------	---------	---------
Salt	---------	---------	---------
Dairy Prod.	---------	---------	---------
Other	78,786	83,414	97,725
Total	1,140,577	1,084,830	1,098,660

SOURCE: North Dakota Public Service Commission, Accounting Department, unpublished data.

[1] North Dakota operations only.

[2] Includes all concrete products.

TABLE 6.19--*Continued*

County	Place of Travel: Rural Area	Place of Travel: Cities Under 5,000 Population	Place of Travel: Cities Over 5,000 Population	Total County Travel	Percent of Travel By County
McIntosh	29,270	4,657	------	33,927	0.64%
McKenzie	94,502	3,438	------	97,940	1.85
McLean	129,400	9,129	------	138,529	2.62
Mercer	49,870	5,105	------	54,975	1.04
Morton	146,958	5,849	75,564	228,371	4.32
Mountrail	71,916	10,167	------	82,083	1.55
Nelson	53,188	5,634	------	58,822	1.11
Oliver	29,395	863	------	30,258	0.57
Pembina	92,056	12,047	------	104,103	1.97
Pierce	46,513	7,262	------	53,775	1.02
Ramsey	86,682	2,049	27,625	116,356	2.20
Ransom	36,117	9,194	------	45,311	0.86
Renville	33,596	2,748	------	36,344	0.69
Richland	120,859	8,065	27,539	156,463	2.96
Rolette	70,213	8,123	------	78,336	1.48
Sargent	43,680	3,652	------	47,332	0.90
Sheridan	27,861	1,918	------	29,779	0.56
Sioux	19,188	668	------	19,856	0.38
Slope	22,537	938	------	23,475	0.44
Stark	117,544	3,561	39,298	160,403	3.03
Steele	32,605	3,030	------	35,635	0.67
Stutsman	167,234	3,115	59,549	229,898	4.35
Towner	36,445	3,453	------	39,898	0.76
Traill	103,894	11,080	------	114,974	2.18
Walsh	115,441	7,775	13,961	137,177	2.60
Ward	218,392	8,692	127,929	355,013	6.78
Wells	64,353	6,001	------	70,354	1.33
Williams	105,354	6,294	38,602	150,250	2.84
NORTH DAKOTA	882,146	87,112	1,118,232	5,237,490	100.00

SOURCE: North Dakota Highway Department in cooperation with the U.S. Department of Transportation, Highway Statistics, 1979.

TABLE 6.21

NORTH DAKOTA MOTOR VEHICLE ACCIDENTS, FATALITIES AND INJURIES, 1970-1978[1]

Type of Motor Vehicle Accident[4]	1970			1971			1972			1973		
	Accidents	Fatal.	Injuries	Accidents	Fatal.	Injuries	Accidents	Fatal.	Injuries	Accidents	Fatal.	Injuries
Overturning[2]	2,725	59	1,392	1,339	44	779	1,342	47	830	1,600	63	969
Other Non-collision	465	9	63	344	---	33	325	8	125	331	9	154
Collision with:												
Pedestrian	194	15	190	180	16	176	165	17	142	189	14	168
MV on Same Roadway	16,553[3]	82[3]	3,962[3]	12,118	113	3,925	11,069	90	3,122	8,450	94	2,687
MV on Other Roadway	(3)	(3)	(3)	2	---	6	110	2	34	14	---	7
Parked MV	(3)	(3)	(3)	3,404	3	167	2,433	---	191	1,651	3	190
RR Train	85	6	41	84	15	41	77	15	29	57	5	26
Pedal Cyclist	90	1	93	100	4	96	86	2	72	116	2	104
Animal	861	---	63	917	3	84	706	---	44	720	---	30
Fixed Object	1,400	5	290	2,554	29	867	1,909	25	628	1,606	18	579
Other Object	62	---	15	28	---	9	115	2	39	47	---	10
Unknown	------	---	-----	96	---	36	------	---	-----	------	---	-----
All Accidents	22,435	177	6,109	21,166	227	6,219	18,337	208	5,254	14,781	208	4,924

TABLE 6.21--*Continued*

Type of Motor Vehicle Accident [4]	1974			1975			1976			1977		
	Acci-dents	Fa-tal.	Inju-ries	Acci-dents	Fa-tal.	Inju-ries	Acci-dents	Fa-tal.	Inju-ries	Acci-dents	Fa-tal.	Inju-ries
Overturning	1,471	44	802	1,568	36	949	1,793	32	1,122	1,852	43	1,140
Other Non-collision	298	1	159	220	7	82	244	1	137	189	4	75
Collision with:												
Pedestrian	131	9	127	138	11	150	154	12	149	143	9	148
MV on Same Roadway	7,864	57	2,576	9,977	78	3,400	9,912	84	3,579	10,928	76	3,243
MV on Other Roadway	75	3	16	179	9	100	20	---	6	19	---	10
Parked MV	1,453	5	204	1,701	5	261	1,706	2	231	1,706	2	192
RR Train	71	8	41	69	5	37	75	12	39	65	13	32
Pedal Cyclist	96	2	95	77	1	78	103	2	104	73	2	72
Animal	603	---	44	586	---	46	661	1	58	556	---	42
Fixed Object	1,608	32	607	1,894	16	752	1,875	35	731	1,831	30	777
Other Object	70	---	31	118	---	44	206	1	90	209	1	72
Unknown	-----	---	-----	6	1	2	7	---	6	6	---	3
All Accidents	13,740	161	4,800	16,533	169	5,901	16,756	182	6,252	17,577	180	6,346

TABLE 6.21--*Continued*

Type of Motor Vehicle Accident[4]	1978		
	Accidents	Fatal.	Injuries
Overturning	1,783	40	1,020
Other Non-collision	176	2	75
Collision with:			
Pedestrian	157	12	149
MV on Same Roadway	11,380	78	3,758
MV on Other Roadway	15	--	7
Parked MV	1,854	1	217
RR Train	67	11	36
Pedal Cyclist	102	1	106
Animal	501	1	29
Fixed Object	1,823	37	749
Other Object	176	2	60
Unknown	3	--	---
All Accidents	18,037	185	6,206

SOURCE: North Dakota Highway Department, Vehicular Accident Facts, various years.

[1] Data for 1970 are not strictly comparable with data for other years. See notes below and/or source cited.

[2] Includes "running off roadway" for 1970.

[3] Data represent category "collision with other motor vehicle" for 1970. No breakdown available.

[4] Refers to traffic accidents which must, under State Law, be reported. Includes all motor vehicle accidents resulting in death, personal injury, or damage to property in excess of $300 ($50 prior to 1975).

TABLE 6.22

STATISTICS OF NORTH DAKOTA MOTOR CARRIERS BY CLASS OF CARRIER, 1975-1977[1]

Account or Item	Class "A" Motor Carriers of Property			Class "A" Motor Carriers of Passengers		
	1975	1976	1977	1975	1976	1977
Carriers Reporting	17	16	16	14	12	14
Total Revenue ($)	$12,580,754	$13,756,456	$15,729,385	$2,731,607	$2,738,103	$3,093,872
Total Expenses ($)	$11,944,980	$13,124,987	$15,230,501	$2,629,449	$2,643,963	$2,954,866
Vehicle Miles Operated	8,258,799	8,359,032	8,870,600	2,984,320	2,821,796	2,926,788
Tons Carried[2]	228,424	242,852	262,475	342,187	305,918	345,423

Account or Item	Special Motor Carriers of Property			Contract Motor Carriers of Property		
	1975	1976	1977	1975	1976	1977
Carriers Reporting	150	145	143	22	28	27
Total Revenue ($)	$13,506,130	$15,806,884	$14,424,244	$4,423,915	$4,869,525	$4,648,023
Total Expenses ($)	$12,525,372	$14,921,054	$13,472,778	$3,948,307	$4,402,116	$4,213,129
Vehicle Miles Operated	17,108,851	17,619,588	16,328,503	6,753,448	7,293,214	5,139,837
Tons Carried[2]	853,478	886,168	1,225,546	986,705	1,661,950	892,615

Account or Item	Special Petroleum Carriers			Agricultural Motor Carriers of Property (Exc. carriers with special, Class "A" or contract authority)		
	1975	1976	1977	1975	1976	1977
Carriers Reporting	6	5	5	189	176	176
Total Revenue ($)	$7,160,353	$7,680,331	$8,267,309	$2,963,488	$2,878,564	$3,028,738
Total Expenses ($)	$7,158,418	$7,545,998	$8,081,793	$2,375,941	$2,232,329	$2,433,816
Vehicle Miles Operated	8,822,314	8,437,305	8,534,228	7,204,985	6,504,522	6,468,516
Tons Carried[2]	1,140,577	1,084,830	1,098,660	372,261	279,995	274,024

SOURCE: North Dakota Public Service Commission, Accouting Department, unpublished data.

[1] North Dakota operation only. Where total interstate and intrastate operation are reported as a single item by the carriers, North Dakota operations have been segregated on an appropriate basis by the Public Service Commission.

[2] Item indicated number of passengers for Class "A" Motor Carriers of Passengers.

TABLE 6.24

ASSETS, OPERATING REVENUES AND EXPENSES, TAXES ASSESSED AND MILES OF ROADBED FOR RAILROADS OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1940-1978

Year	Total Assets ($000)	Operating Revenue Earned in N. Dak. ($000)	Operating Revenue ($000)	Operating Expenses ($000)	Taxes Assessed in N.D. ($000)	Miles of Road* ($000)
1940	$3,340,940	$ NA	$ 408,835	$ 301,116	$116,831	NA
1950	3,036,639	NA	877,765	674,439	123,284	38,153
1960	3,349,116	7,596	899,389	743,300	113,176	39,481
1965	3,580,932	7,899	1,018,708	801,564	80,337	40,644
1970	4,508,546	6,369	1,575,187	1,310,631	45,806	49,999
1971	4,469,904	5,703	1,698,784	1,386,306	43,727	49,734
1972	4,130,853	5,441	1,814,709	1,482,098	41,998	48,890
1973	4,261,522	5,562	2,033,998	1,629,764	40,428	48,281
1974	4,593,628	6,751	2,350,254	1,860,109	39,076	48,144
1975	4,705,288	6,495	2,322,254	1,884,660	36,244	47,480
1976	4,863,782	9,854	2,695,499	2,158,259	34,496	47,311
1977	5,112,078	10,434	2,902,310	2,619,045	34,562	46,738
1978	5,490,965	11,144	3,319,451	2,965,906	35,203	46,257

SOURCE: North Dakota Public Service Commission, Annual Report, various years; Proceedings of the State Board of Equalization of North Dakota, various years.

* North Dakota had 5,270 miles of roadbed in 1940 and 5,117 miles in 1978.

TABLE 6.25

REVENUE FREIGHT ORIGINATING ON ALL RAILROADS IN NORTH DAKOTA FOR THE YEAR ENDED DECEMBER 31, 1977
(Showing All Commodities by General Classes)

Commodity Class	Burl. No., Inc.		Soo Line	
	C.L.	Tons	C.L.	Tons
Farm Products	60,192	4,129,303	22,437	1,839,422
Forest Products	-------	---------	------	---------
Fresh Fish & Marine Products	-------	---------	------	---------
Metallic Ores	-------	---------	------	---------
Coal	29,621	2,625,961	238	13,122
Crude Oil, Nat. Gasoline & Gas	-------	---------	------	---------
Nonmet. Minerals, Exc. Fuels	1,335	102,126	------	---------
Ordnance & Accessories	3	105	------	---------
Food & Kindred Products	14,933	849,080	156	4,350
Tobacco Products	-------	---------	------	---------
Basic Textiles	2	68	------	---------
Finished Textile Products	-------	---------	------	---------
Lumber & Prod., Exc. Furniture	37	1,094	7	189
Furniture & Fixtures	7	57	------	---------
Pulp, Paper & Allied Products	14	339	1	64
Printed Matter	--------	---------	------	---------
Chemicals & Allied Products	7,511	692,260	70	5,201
Petroleum & Coal Products	4,835	313,053	------	---------
Rubber & Miscellaneous	5	96	1	15
Leather & Leather Products	-------	---------	------	---------
Stone, Clay, Glass Products	255	14,507	------	---------
Primary Metal Products	16	796	------	---------
Fabricated Metal Prod., Exc. Ordnance, Mach. & Transp.	23	627	7	266
Machinery, Exc. Electrical	401	9,742	11	470
Elec. Mach., Equip. & Supplies	4	172	8	555
Transportation Equipment	16	347	7	198
Time, Photo, Optical Goods	-------	---------	------	---------
Misc. Products of Manufacturing	1	56	------	---------
Waste & Scrap Materials	585	31,836	143	9,367
Misc. Freight Shipments	50	828	8	382
Shipping Containers, Ret. Empty	130	1,809	26	484
Freight Forwarder Traffic	2	32	------	---------
Shipper Ass'n., Etc., Traffic	6	148	------	---------
Other Mixed Misc. Shipments	87	1,745	14	589
TOTAL C.L. Traffic	120,071	8,776,187	23,134	1,874,674
Small Packaged Shipments	-------	779	------	---------
TOTAL C.L. & L.C.L. Tons	120,071	8,776,966	23,134	1,874,674

TABLE 6.25--*Continued*

Commodity Class	Milwaukee		Chgo. & NW.		Total All Railroads	
	C.L.	Tons	C.L.	Tons	C.L.	Tons
Farm Products	2,587	183,038	33	1,410	85,249	6,153,173
Forest Products	------	---------	--	-----	-------	----------
Fresh Fish & Marine Prod.	------	---------	--	-----	-------	----------
Metallic Ores	------	---------	--	-----	-------	----------
Coal	24,038	2,274,810	--	-----	53,897	4,913,893
Crude Oil, Nat. Gasoline & Gas	------	---------	--	-----	-------	----------
Nonmet. Minerals, Exc. Fuels	3	135	--	-----	1,338	102,261
Ordnance & Accessories	------	---------	--	-----	3	105
Food & Kindred Prod.	6	238	43	1,376	15,138	855,044
Tobacco Prod.	------	---------	--	-----	-------	----------
Basic Textiles	------	---------	--	-----	2	68
Finished Textile Prod.	------	---------	--	-----	-------	----------
Lumber & Prod., Exc. Furniture	2	86	--	-----	46	1,369
Furniture & Fixtures	------	---------	--	-----	7	57
Pulp, Paper & Allied Prod.	------	---------	--	-----	15	403
Printed Matter	------	---------	--	-----	-------	----------
Chemicals & Allied Prod.	[illegible]	154	--	-----	7,584	697,615
Petroleum & Coal Prod.	[illegible]	25,827	--	-----	5,381	338,880
Rubber & Misc.	----	---------	--	-----	6	111
Leather & Leather Prod.	------	---------	--	-----	-------	----------
Stone, Clay, Glass Prod.	1	44	--	-----	256	14,551
Primary Metal Prod.	------	---------	--	-----	16	796
Fabricated Metal Prod. Exc. Ordnance, Mach. & Transp.	------	---------	--	-----	30	893
Machinery, Exc. Elec.	6	110	--	-----	418	10,322
Elec. Mach., Equip. & Supplies	------	---------	--	-----	12	727
Transportation Equip.	------	---------	--	-----	23	545
Time, Photo, Optical Goods	------	---------	--	-----	-------	----------
Misc. Prod. of Mfg.	------	---------	--	-----	1	56
Waste & Scrap Materials	46	2,405	--	-----	774	43,608
Misc. Freight Ship.	------	---------	--	-----	58	1,210
Shipping Containers, Ret. Empty	38	418	--	-----	194	2,711
Freight Forwarder Traffic	------	---------	--	-----	2	32
Shipper Ass'n., Etc., Traffic	------	---------	--	-----	6	148
Other Mixed Misc. Shipments	------	---------	--	-----	101	2,334
TOTAL C.L. Traffic	27,276	2,487,265	76	2,786	170,557	13,140,912
Small Packaged Shipments	------	---------	--	-----	-------	779
TOTAL C.L. & L.C.L. Tons	27,276	2,487,265	76	2,786	170,557	13,141,691

SOURCE: North Dakota Public Service Commission, Accounting Department.

TABLE 6.26

REVENUE FREIGHT TERMINATING ON ALL RAILROADS IN NORTH DAKOTA FOR THE YEAR ENDED DECEMBER 31, 1977
(Showing All Commodities by General Classes)

Commodity Class	Burl. No., Inc.		Soo Line	
	C.L.	Tons	C.L.	Tons
Farm Products	5,456	413,505	120	9,996
Forest Products	2	26	-----	------
Fresh Fish & Marine Products	9	450	3	160
Metallic Ores	3	122	-----	------
Coal	16,325	1,425,593	118	5,292
Crude Oil, Nat. Gasoline & Gas	------	------	-----	------
Nonmet. Minerals, Except Fuels	2,981	205,204	86	6,459
Ordnance & Accessories	8	195	-----	------
Food & Kindred Products	3,770	134,598	182	8,253
Tobacco Products	46	1,471	-----	------
Basic Textiles	15	249	6	228
Finished Textile Products	------	------	-----	------
Lumber & Products, Exc. Furniture	1,701	70,054	220	8,287
Furniture & Fixtures	422	3,049	72	503
Pulp, Paper & Allied Products	2,034	48,597	58	1,745
Printed Matter	3	98	-----	------
Chemicals & Allied Products	6,753	547,776	1,321	114,278
Petroleum & Coal Products	6,971	424,256	769	56,775
Rubber & Miscellaneous	449	5,984	37	545
Leather & Leather Products	------	------	-----	------
Stone, Clay, Glass Products	3,535	213,486	545	34,864
Primary Metal Products	1,164	61,946	198	7,465
Fabricated Metal Prod., Exc. Ordnance, Mach. & Transp.	143	4,806	483	13,957
Machinery, Exc. Electrical	1,167	18,739	457	9,739
Elec. Machinery, Equip. & Supplies	148	1,948	53	3,347
Transportation Equipment	1,188	26,360	8	52
Time, Photo, Optical Goods	4	78	-----	------
Misc. Products of Manufacturing	3	56	-----	------
Waste & Scrap Materials	187	8,630	16	724
Misc. Freight Shipments	4	146	2	35
Shipping Containers, Ret. Empty	33	575	2	35
Freight Forwarder Traffic	22	408	-----	------
Shipper Ass'n., Etc., Traffic	500	10,670	-----	------
Other Mixed Misc. Shipments	1,234	23,193	308	6,182
TOTAL C.L. Traffic	56,280	3,652,268	5,064	288,921
Small Packaged Shipments	------	165	-----	-------
TOTAL C.L. & L.C.L. Tons	56,280	3,652,433	5,064	288,921

TABLE 6.26--*Continued*

Commodity Class	Milwaukee		Chgo. & NW.		Total All Railroads	
	C.L.	Tons	C.L.	Tons	C.L.	Tons
Farm Products	-----	------	--	-----	5,576	423,501
Forest Products	-----	------	--	-----	2	26
Fresh Fish & Marine Prod.	-----	------	--	-----	12	610
Metallic Ores	-----	------	--	-----	3	122
Coal	29	1,503	--	-----	16,472	1,432,388
Crude Oil, Nat. Gasoline and Gas	-----	------	--	-----	------	------
Nonmet. Minerals, Exc. Fuels	2	100	--	-----	3,069	211,763
Ordnance & Accessories	-----	------	--	-----	8	195
Food & Kindred Prod.	42	1,051	--	-----	3,994	143,902
Tobacco Products	2	32	--	-----	48	1,503
Basic Textiles	-----	------	--	-----	21	477
Finished Textile Prod.	-----	------	--	-----	------	------
Lumber & Prod., Exc. Furn.	83	3,930	--	-----	2,004	82,271
Furniture & Fixtures	8	67	--	-----	502	3,619
Pulp, Paper & Allied Prod.	26	526	--	-----	2,118	50,868
Printed Matter	-----	------	--	-----	3	98
Chemicals & Allied Prod.	155	11,893	24	2,157	8,253	676,104
Petroleum & Coal Prod.	5	140	--	-----	7,745	481,171
Rubber & Misc.	10	108	--	-----	496	6,637
Leather & Leather Prod.	-----	------	--	-----	------	------
Stone, Clay, Glass Prod.	957	64,940	--	-----	5,037	313,290
Primary Metal Prod.	32	1,155	--	-----	1,394	70,566
Fabricated Met. Prod., Exc. Odrnance, Mach. & Transp.	14	540	--	-----	640	19,303
Machinery, Exc. Elec.	113	1,637	3	34	1,740	30,149
Elec. Machinery, Equip. & Supplies	10	171	--	-----	211	5,466
Transportation Equip.	2	115	--	-----	1,198	26,527
Time, Photo, Optical Goods	-----	------	--	-----	4	78
Misc. Prod. of Mfg.	-----	------	---	-----	3	56
Waste & Scrap Materials	1	35	--	-----	204	9,389
Misc. Freight Ship.	-----	------	--	-----	6	181
Shipping Containers, Ret. Empty	-----	------	--	-----	35	610
Freight Forwarder Traffic	-----	------	--	-----	22	408
Shipper Ass'n., Etc., Traffic	1	21	--	-----	501	10,691
Other Mixed Misc. Shipments	24	564	--	-----	1,566	29,939
TOTAL C.L. Traffic	1,516	88,528	27	2,191	62,887	4,031,908
Small Packaged Shipments	-----	3	--	-----	------	168
TOTAL C.L. & L.C.L. Tons	1,516	88,531	27	2,191	62,887	4,032,076

SOURCE: North Dakota Public Service Commission, Accounting Department.

7.00

COMMUNICATIONS

The hallmark of our modern age is the communications explosion. Newspapers, radio, television, telephones, and the postal system offer us a continuous link with our neighbors throughout the state, the nation, and the world. The communications industry described in this section has become integral to the operation of the North Dakota economy. It provides not only news and entertainment, but it also serves a vital economic coordinating function by stimulating the flow of market information and product advertising.

The best source of information on the North Dakota newspaper industry is the *North Dakota Newspaper Directory,* pubished annually by the North Dakota Newspaper Associaton. The Directory provides a complete list of daily, weekly, and semi-weekly newspapers published in the state as well as listing the ''official'' newspaper for each of North Dakota's counties.

The principal source of information used in describing the North Dakota radio and television industry is the *Directory of North Dakota Broadcasting Stations and CATV's*, published by the University of North Dakota Communication Research Center in cooperation with the North Dakota Broadcasters' Association and the North Dakota CATV Association (cable). This source provides a comprehensive list of AM and FM radio broadcasters and television stations by call letters. In addition, the Broadcasting Directory provides information on programming for the radio stations and on production capabilities of the television industry. Since radio and television broadcasting is regulated by the Federal Communications Commission, the FCC's *Annual Report* is also a source of data.

Data on telephone use in North Dakota over time and in comparison to other states in the region have been taken from tables published in the *Statistical Abstract of the United States*. Detailed financial statistics for North Dakota's various telephone companies and REA-financed rural telephone cooperatives have been provided by the North Dakota Public Service Commission which regulates the telephone industry in the state. Telephone companies are classed according to the size of their operating revenues and whether they are exchange or non-exchange companies.

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TABLE 7.01

POST OFFICES AND VOLUME OF MAIL: THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, FISCAL YEARS, 1960 AND 1970

State	Number of Post Offices*			Volume of Mail Handled (Million Pieces)		
	1960	1970	% Change 1960-1970	1960	1970	% Change 1960-1970
United States	35,118	31,885	- 9.2%	63,452	84,594	33.3%
NORTH DAKOTA	540	484	-10.4	127	136	7.1
South Dakota	476	439	- 7.8	127	153	20.5
Montana	439	394	-10.3	127	153	20.5
Nebraska	608	567	- 6.7	509	705	38.5
Minnesota	943	893	- 5.3	1,337	1,783	33.4
Iowa	1,026	975	- 5.0	1,019	1,358	33.3
Kansas	790	736	- 6.8	573	730	27.4
Missouri	1,142	1,017	-10.9	1,783	2,377	33.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1960 and 1970.

* Excludes stations (subordinate postal units located within the corporate limits of the city where the parent post office is situated) and branches (subordinate postal units not located within such limits).

TABLE 7.02

TELEPHONES IN USE: THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, DECEMBER 31, 1976

State	Total Telephones (000)	Percent Owned by NW Bell Companies	Telephones Per 100 Population	Percent of Households with Telephones	Telephones by Type of Service	
					Residential (000)	Business (000)
U.S.	155,173	82%	72	95%	114,491	40,682
N.D.	457	72	71	99	339	119
S.D.	457	79	66	93	343	114
Mont.	507	83	67	93	372	136
Neb.	1,161	58	74	99	871	290
Minn.	2,870	80	72	99	2,139	731
Iowa	2,065	69	72	97	1,577	488
Kan.	1,702	84	73	93	1,281	421
Mo.	3,404	80	71	94	2,541	863

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1978.

TABLE 6.27

AIRCRAFT DEPARTURES AND NUMBER OF PASSENGERS BY AIRPORT IN NORTH DAKOTA, SELECTED YEARS, 1965-1977

	Bismarck/Mandan	Devils Lake	Fargo	Grand Forks	Jamestown	Minot	Williston
1965							
Departures	4,780	1,051	4,728	4,925	682	3,144	1,041
Passengers	33,380	1,552	54,597	30,425	2,622	18,706	3,701
1970*							
Departures	5,330	947	6,176	5,590	1,404	1,677	823
Passengers	64,311	2,403	111,909	55,089	9,087	22,922	5,217
1971*							
Departures	4,009	697	3,417	4,131	307	2,393	710
Passengers	56,928	2,797	82,401	51,606	2,304	43,539	1,866
1972							
Departures	4,422	356	3,971	4,395	707	2,510	1,020
Passengers	68,055	1,755	84,425	67,412	5,688	49,608	2,608
1973							
Departures	4,932	346	4,571	4,894	720	2,525	1,043
Passengers	82,912	1,669	112,363	72,467	7,491	52,436	2,967
1974							
Departures	5,006	351	4,437	4,777	723	2,470	1,065
Passengers	96,464	1,927	123,334	75,890	7,918	58,310	3,700
1975							
Departures	4,776	345	4,298	4,591	679	2,805	1,047
Passengers	101,524	1,983	127,945	78,623	7,677	59,909	4,037
1976							
Departures	5,517	346	5,608	5,177	733	2,864	1,266
Passengers	120,302	1,916	154,765	85,328	8,645	61,598	6,153
1977							
Departures	5,744	359	5,817	5,368	713	2,828	1,471
Passengers	136,748	2,049	171,202	93,373	9,041	61,523	7,688

SOURCE: U.S. Dept. of Transportation, Airport Activity Statistics of Certified Route Air Carriers, various years.

* Year ending June 30, all others ending December 31.

TABLE 6.28

TOTAL MONTHLY AIRLINE ARRIVALS AND DEPARTURES AND AIRLINE SEATS IN NORTH DAKOTA BY AIRLINE AND AIRPORT, JUNE 1979

	Arrivals and Departures					
	Air Wisconsin	Frontier Airlines	Republic Airlines	Northwest Airlines	Real West Airlines*	Total, All Airlines
Bismarck	110	420	520	330	50	1,430
Bowman	---	---	---	---	20	20
Devils Lake	---	---	240	---	20	260
Dickinson	---	---	---	---	60	60
Fargo	---	240	644	360	10	1,254
Grand Forks	---	240	420	180	---	840
Jamestown	260	---	---	---	---	260
Minot	---	180	164	---	20	364
Williston	---	400	---	---	40	440
Total	370	1,480	1,988	870	220	208

	Seats**					
	Air Wisconsin	Frontier Airlines	Republic Airlines	Northwest Airlines	Real West Airlines	Total, All Airlines
Bismarck	2,128	34,080	47,920	42,900	400	127,428
Bowman	---	---	---	---	160	160
Devils Lake	---	---	11,520	---	160	11,680
Dickinson	---	---	---	---	480	480
Fargo	---	19,080	71,800	46,800	130	137,810
Grand Forks	---	19,080	44,760	23,040	---	86,880
Jamestown	4,790	---	---	---	---	4,790
Minot	---	13,860	23,400	---	160	37,420
Williston	---	7,660	---	---	320	7,980
Total, All Airports	6,918	93,760	199,400	112,740	1,810	414,628

SOURCE: North Dakota State Aeronautics Commission.

* Real West Airlines inaugurated service on June 25, 1979.

** Total seating capacity of the aircraft, not necessarily seats available for North Dakota passengers.

TABLE 7.03

TELEPHONES IN NORTH DAKOTA BY TYPE OF SERVICE, 1962-1976*

Year	Total Telephones (000)	Percent Owned by NW Bell Companies	Telephones Per 100 Population	Percent of Households with Telephones	Telephones by Type of Service	
					Residential (000)	Business (000)
1962	226	70%	35.1	80%	169	57
1963	235	70	37.1	83	175	60
1964	251	69	38.8	84	186	65
1965	263	69	40.3	86	194	69
1966	272	70	41.8	86	201	71
1967	284	70	44.6	90	209	75
1968	305	70	48.7	92	222	83
1969	306	70	50.1	95	227	79
1970	321	70	52.0	94	237	84
1971	337	70	53.8	96	253	84
1972	355	70	56.0	95	264	91
1973	381	72	59.0	95	283	97
1974	409	72	64.0	97	305	104
1975	471	74	74.0	97	346	125
1976	457	72	71.0	99	339	119

SOURCE: U.S. Dept of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* As of December 31 of year indicated.

TABLE 7.04

OPERATING STATISTICS OF CLASS "A" AND "B" TELEPHONE COMPANIES,[1] NORTH DAKOTA OPERATIONS ONLY, 1975-1978

Company	Operating Revenues			
	1975	1976	1977	1978
Griggs County Tele.	$ 286,555	$ 332,013	$ 337,673	$ 364,567
Inter-Community Tele.[2]	258,594	332,029	361,633	394,258
Midstate Tele.	294,449	315,580	349,285	416,241
Moore & Liberty Tele.	127,823	139,011	155,044	158,692
North Dakota Tele.	2,204,606	2,581,669	3,116,812	3,517,019
Northern States Power	4,227,653	4,661,607	5,038,241	5,904,523
Northwestern Bell Tele.[3]	75,270,128	86,835,436	100,323,164	119,084,383

Company	Operating Expenses			
	1975	1976	1977	1978
Griggs County Tele.	$ 204,777	$ 231,948	$ 236,529	$ 257,633
Inter-Community Tele.[2]	222,417	267,857	332,646	334,782
Midstate Tele.	227,412	269,948	298,103	358,440
Moore & Liberty Tele.	99,310	105,611	118,200	120,612
North Dakota Tele.	1,597,626	1,948,455	2,389,558	2,697,591
Northern States Power	3,391,978	3,953,048	4,186,222	4,685,415
Northwestern Bell Tele.[3]	59,957,233	68,952,348	79,892,621	94,400,122

Company	Telephones Owned			
	1975	1976	1977	1978
Griggs County Tele.	1,713	1,816	1,897	1,946
Inter-Community Tele.[2]	1,588	1,669	1,700	1,777
Midstate Tele.	1,670	1,837	2,088	2,094
Moore & Liberty Tele.	950	985	999	1,027
North Dakota Tele.	13,614	14,103	14,447	14,815
Northern States Power	28,088	29,328	33,227	35,732
Northwestern Bell Tele.[3]	346,930	369,168	387,775	404,274

TABLE 7.04--*Continued*

Company	Revenue Per Telepnone			
	1975	1976	1977	1978
Griggs County Tele.	$167.28	$182.83	$178.00	$187.34
Inter-Community Tele.[2]	162.84	198.94	212.55	221.87
Midstate Tele.	176.32	171.79	167.28	198.78
Moore & Liberty Tele.	134.55	141.13	155.20	154.52
North Dakota Tele.	161.94	183.06	215.74	237.40
Northern States Power	150.51	158.95	151.63	165.24
Northwestern Bell Tele.[3]	216.96	235.22	258.71	294.56

Company	Plant-in-Service Per Telephone			
	1975	1976	1977	1978
Griggs County Tele.	$445.81	$ 479.87	$ 480.42	$ 531.15
Inter-Community Tele.[2]	830.31	1,394.94	1,759.43	1,700.76
Midstate Tele.	654.88	650.72	676.94	711.84
Moore & Liberty Tele.	469.66	507.84	530.03	556.23
North Dakota Tele.	690.51	715.65	760.18	797.72
Northern States Power	513.36	630.58	563.74	639.37
Northwestern Bell Tele.[3]	674.76	710.75	759.62	826.14

SOURCE: North Dakota Public Service Commission, Accounting Dept.

[1] Class "A" companies have annual operating revenues greater than $250,000; Class "B" company revenues between $100,000 - $250,000.

[2] Excludes autovan operations.

[3] Telephones owned includes 38,929, 40,798, 42,355 and 43,276 phones located in Minnesota but maintained out of North Dakota for 1975, 1976, 1977 and 1978 respectively.

TABLE 7.05

OPERATING STATISTICS OF REA-FINANCED RURAL TELEPHONE COOPERATIVES, NORTH DAKOTA OPERATIONS ONLY, 1975-1978

Cooperative	Operating Revenues			
	1975	1976	1977	1978
Bek Tele. Mutual Aid Coop.	$ 725,831	$ 803,522	$ 867,708	$ 916,098
Consolidated Tele. Coop.	753,816	843,897	1,012,467	1,369,436
Dak. Central Rural Tele.	470,860	548,546	619,360	785,286
Dickey Rural Tele. Mutual Aid Coop.	659,803	745,128	793,506	865,532
Northwest Mutual Aid Tele.	819,463	896,305	975,826	1,081,498
Polar Rural Tele. Mutual Aid Corp.	4,413,656	3,283,181	2,568,041	2,994,478
Red River Rural Tele.	167,865	186,340	204,173	215,625
Reservation Tele.	1,067,229	1,170,975	1,283,422	1,471,863
Souris River Tele. Mutual Aid Corp.[1]	2,685,082	2,895,882	2,972,952	3,638,299
United Tele. Mutual Aid Corp.	1,840,462	1,152,267	1,060,676	1,197,911
West River Mutual Aid Tele.	1,269,913	1,452,598	1,627,024	2,022,408
Other Minor Operations in N.D.[2]	242,601	279,899	286,180	325,086

Cooperative	Operating Expenses			
	1975	1976	1977	1978
Bek Tele. Mutual Aid Coop.	$ 554,637	$ 591,441	$ 693,623	$ 759,528
Consolidated Tele. Coop.	631,006	739,336	898,643	1,122,211
Dak. Central Rural Tele.	397,077	466,590	547,220	617,615
Dickey Rural Tele. Mutual Aid Coop.	528,777	587,657	646,787	721,271
Northwest Mutual Aid Tele.	534,438	620,359	673,971	829,642
Polar Rural Tele. Mutual Aid Corp.	3,519,135	2,928,071	2,498,427	2,507,174
Red River Rural Tele.	120,506	145,950	160,553	181,224
Reservation Tele.	825,862	926,361	1,019,775	1,132,614
Souris River Tele. Mutual Aid Corp.[1]	2,191,501	2,509,137	2,691,825	2,696,841
United Tele. Mutual Aid Corp.	895,408	705,912	729,605	815,120
West River Mutual Aid Tele.	833,423	1,020,691	1,150,588	1,553,761
Other Minor Operations in N.D.[2]	156,730	180,035	206,074	235,495

Cooperative	Telephones Owned			
	1975	1976	1977	1978
Bek Tele. Mutual Aid Corp.	4,676	4,950	5,130	5,242
Consolidated Tele. Corp.	4,599	4,869	4,996	5,218
Dak. Central Rural Tele.	3,157	3,388	3,572	3,645
Dickey Rural Tele. Mutual Aid Coop.	3,865	4,092	4,134	4,375
Northwest Mutual Aid Tele.	4,337	4,656	4,817	5,017
Polar Rural Tele. Mutual Aid Corp.	13,957	13,455	13,656	13,751
Red River Rural Tele.	1,251	1,356	1,424	1,493
Reservation Tele.	5,345	5,547	5,707	6,164
Souris River Tele. Mutual Aid Corp.[1]	10,444	11,188	11,600	11,998
United Tele. Mutual Aid Corp.	6,874	6,563	6,538	6,847
West River Mutual Aid Tele.	7,418	8,223	8,866	10,095
Other Minor Operations in N.D.[2]	740	783	832	893

TABLE 7.05--*Continued*

Cooperative	Revenue Per Telephone			
	1975	1976	1977	1978
Bek Tele. Mutual Aid Coop.	$155.22	$162.33	$169.14	$174.76
Consolidated Tele. Coop.	163.91	173.32	202.66	262.44
Dak. Central Rural Tele.	149.15	161.91	173.39	215.44
Dickey Rural Tele. Mutual Aid Coop.	170.71	182.09	191.95	197.84
Northwest Mutual Aid Tele.	188.95	192.51	202.58	215.57
Polar Rural Tele. Mutual Aid Corp.	316.23	244.01	188.05	217.76
Red River Rural Tele.	134.18	137.42	143.38	144.42
Reservation Tele.	199.67	211.10	224.89	238.78
Souris River Tele. Mutual Aid Corp.[1]	257.09	258.84	256.29	303.24
United Tele. Mutual Aid Corp.	267.74	175.57	162.23	174.95
West River Mutual Aid Tele.	171.19	176.65	183.51	200.34
Other Minor Operations in N.D.[2]	327.84	357.47	343.97	364.04

Cooperative	Plant-in-Service Per Telephone			
	1975	1976	1977	1978
Bek Tele. Mutual Aid Coop.	$1,219.21	$1,277.70	$1,464.91	$1,465.92
Consolidated Tele. Coop.	1,064.85	1,428.19	1,608.55	1,733.85
Dak. Central Rural Tele.	868.50	1,502.29	1,452.89	1,436.37
Dickey Rural Tele. Mutual Aid Coop.	1,280.43	1,237.97	1,274.44	1,298.79
Northwest Mutual Aid Tele.	1,202.99	1,189.78	1,198.25	1,205.13
Polar Rural Tele. Mutual Aid Corp.	1,375.64	1,240.08	1,150.92	1,168.98
Red River Rural Tele.	979.39	989.19	988.71	970.77
Reservation Tele.	1,392.91	1,369.63	1,569.34	1,513.96
Souris River Tele. Mutual Aid Corp.[1]	1,445.25	1,421.40	1,403.48	1,398.94
United Tele. Mutual Aid Corp.	1,359.79	1,146.55	1,115.23	1,170.61
West River Mutual Aid Tele.	810.21	864.89	1,050.31	1,066.35
Other Minor Operations in N.D.[2]	1,856.68	2,131.51	2,126.85	2,086.68

SOURCE: North Dakota Public Service Commission, Accounting Dept.

[1] Excludes military operations at Minot Air Force Base.

[2] Includes Halstad Telephone Co., Mid-Rivers Telephone Co-op, Inc., Nemont Telephone Co-op, Inc., and Roberts County Telephone Co-op Assn.

TABLE 7.06

OPERATING STATISTICS OF CLASS "C", "D", AND "E" TELEPHONE COMPANIES,* NORTH DAKOTA OPERATIONS ONLY, 1975-1977

Class "C" and "D" Companies	1975	1976	1977
Number of Companies Reporting	5	5	5
Number of Telephones in Use	1,187	1,180	1,244
Operating Revenues	$205,538	$225,930	$225,154
Operating Expenses	$168,521	$175,709	$226,751
Average Revenue Per Telephone	$ 173.16	$ 191.47	$ 180.99

Class "E" Companies	1975	1976	1977
Number of Companies Reporting	91	67	30
Number of Telephones in Use	1,288	1,024	587

SOURCE: North Dakota Public Service Commission, Accounting Dept.

* Class "C" companies have operating revenues between $50,000 - $100,000;
Class "D" companies are those with revenues below $50,000;
Class "E" companies are non-exchange companies.

TABLE 7.07

LONG DISTANCE TELEPHONE CALL RATES: BISMARCK TO OTHER NORTH DAKOTA CITIES AND TO SELECTED UNITED STATES CITIES*

From Bismarck to:	Type of Call: Direct Dial	Station-to-Station	Person-to-Person
Bottineau	$1.71	$2.42	$3.37
Bowman	1.71	2.42	3.37
Devils Lake	1.61	2.28	3.23
Dickinson	1.61	2.28	3.23
Fargo	1.76	2.49	3.44
Grand Forks	1.76	2.49	3.44
Harvey	1.50	1.94	2.99
Jamestown	1.61	2.28	3.23
Minot	1.61	2.28	3.23
Valley City	1.71	2.42	3.37
Wahpeton	1.76	2.49	3.44
Williston	1.71	2.42	3.37
Boston	1.96	2.87	4.02
Chicago	1.86	2.73	3.83
Dallas	1.96	2.87	4.02
Denver	1.86	2.73	3.83
Los Angeles	1.96	2.87	4.02
Miami	1.96	2.87	4.02
Minneapolis/St. Paul	1.84	2.68	3.73
New York	1.96	2.87	4.02
Omaha	1.86	2.73	3.83
St. Louis	1.86	2.73	3.83
Seattle	1.96	2.87	4.02
Sioux Falls	1.84	2.68	3.73

SOURCE: Northwestern Bell Telephone Company, Directory Information.

* Rates are based upon a five-minute call placed weekdays between 8:00 a.m. and 5:00 p.m. Rates became effective Sept. 1977 and are subject to change.

TABLE 7.09

NORTH DAKOTA WEEKLY AND SEMI-WEEKLY NEWSPAPERS, 1979

City and Zip Code	Newspaper	Circulation*	Issue Days
Adams 58210	Journal-Times	929	Thursday
Aneta 58212	Aneta Star	526	Friday
Ashley 58413	Ashley Tribune	1,895	Tuesday
Beach 58621	Golden Valley News	2,240	Thursday
Berthold 58718	Berthold Tribune	536	Thursday
Beulah 58523	Beulah Beacon	2,400	Thursday
Bottineau 58318	Bottineau Courant	4,359	Wednesday
Bowbells 58721	Burke County Tribune	1,750	Wednesday
Bowman 58623	Bowman County Pioneer	2,340	Tuesday
Cando 58324	Towner County Record-Herald	2,667	Thursday
Carrington 58421	Foster County Independent	3,261	Wednesday
Carson 58529	Carson Press	898	Thursday
Casselton 58012	Cass County Reporter	3,750	Thursday
Cavalier 58220	Cavalier Chronicle	3,100	Thursday
Center 58530	Center Republican	800	Thursday
Cooperstown 58425	Griggs County Sentinel-Courier	2,033	Wednesday
Crosby 58730	The Journal	3,600	Wednesday
Devils Lake 58301	Devils Lake World	1,674	Wednesday
Drayton 58225	Drayton Express	1,070	Thursday
Edgeley 58433	Edgeley Mail	1,390	Wednesday
Elgin 58533	Grant County News	1,437	Thursday
Ellendale 58436	Dickey County Leader	2,990	Thursday
Enderlin 58027	Enderlin Independent	1,736	Thursday
Fairmount 58030	Fairmount News	417	Thursday
Fessenden 58438	Wells County Free Press	1,769	Thursday

TABLE 7.09--*Continued*

City and Zip Code	Newspaper	Circulation*	Issue Days
Finley 58230	Steele County Press	1,560	Wednesday
Fordville 58231	Tri-County Sun	796	Thursday
Fort Yates 58538	The Dakota Sun	1,250	Thursday
Fredonia 58440	Die Welt Post und Der Staats Anzeiger (Ger.)	1,424	Friday
Gackle 58442	Pioneer Press	1,100	Wednesday
Garrison 58540	McLean County Independent	4,205	Thursday
Glen Ullin 58631	Glen Ullin Times	900	Thursday
Grafton 58237	The Grafton Record	5,878	Saturday & Wednesday
Hankinson 58041	Hankinson News	1,435	Thursday
Harvey 58341	Harvey Herald	3,755	Thursday
Hatton 58240	Free Press	1,226	Thursday
Hazen 58545	Hazen Star	2,244	Thursday
Hebron 58638	Hebron Herald	1,325	Wednesday
Hettinger 58639	Adams County Record	2,736	Wednesday
Hillsboro 58045	Hillsboro Banner	2,500	Thursday
Kenmare 58746	Kenmare News	2,200	Wednesday
Killdeer 58640	Killdeer Herald	1,340	Wednesday
Kulm 58456	Kulm Messenger	1,126	Thursday
Lakota 58344	Lakota American	1,825	Wednesday
La Moure 58458	La Moure Chronicle	1,450	Thursday
Langdon 58249	Langdon Republican	3,400	Wednesday
Larimore 58251	Larimore Leader	987	Wednesday
Larimore 58251	The Larimore Pioneer	1,272	Wednesday
Lidgerwood 58053	Lidgerwood Monitor	1,298	Thursday
Linton 58552	Emmons County Record	3,840	Wednesday

TABLE 7.09--*Continued*

City and Zip Code	Newspaper	Circulation*	Issue Days
Lisbon 58054	Ransom County Gazette	4,000	Thursday
Litchville 58461	Litchville Bulletin	1,835	Wednesday
Mandan 58554	Mandan News	3,120	Sunday
Marmarth 58643	Slope Messenger	1,030	Wednesday
Mayville 58257	Traill County Tribune	2,812	Wednesday
McClusky 58463	McClusky Gazette	1,502	Thursday
Medora 58645	Billings County Pioneer	1,100	Thursday
Michigan 58259	Nelson County Arena	941	Friday
Milnor 58060	The Teller	2,158	Wednesday
Minnewaukan 58351	Benson County Farmers Press	3,891	Thursday
Mohall 58761	Renville County Farmer	1,800	Wednesday
Mott 58646	Mott Pioneer Press	2,000	Wednesday
Napoleon 58561	Napoleon Homestead	2,457	Wednesday
New England 58647	Hettinger County Herald	1,099	Wednesday
New Rockford 58356	New Rockford Transcript	2,374	Wednesday
New Salem 58563	New Salem Journal	1,625	Wedensday
New Town 58763	New Town News	1,400	Thursday
Northwood 58267	The Gleaner, Including The McVille Journal	2,664	Thursday
Oakes 58474	Oakes Times	1,850	Thursday
Park River 58270	Walsh County Press	3,300	Wednesday
Parshall 58770	Mountrail County Record	1,138	Wednesday
Pembina 58271	Pembina New Era	850	Tuesday
Rolla 58367	Turtle Mountain Star	4,027	Thursday
Rugby 58368	Pierce County Tribune	3,545	Wednesday
Selfridge 58568	Selfridge Journal	683	Thursday
Stanley 58784	Mountrail County Promoter	2,650	Wednesday

TABLE 7.09--*Continued*

City and Zip Code	Newspaper	Circulation*	Issue Days
Steele 58482	Steele Ozone-Press	1,834	Wednesday
Tioga 58852	Tioga Tribune	2,100	Wednesday
Towner 58788	Mouse River Farmers Press	2,100	Wednesday
Turtle Lake 58575	McLean County Journal	1,318	Thursday
Underwood 58576	Underwood News	1,195	Thursday
Velva 58790	McHenry County Journal-Register	2,100	Thursday
Walhalla 58282	Walhalla Mountaineer	1,700	Tuesday
Washburn 58577	Washburn Leader	2,023	Thursday
Watford City 58854	McKenzie County Farmer	2,475	Thursday
West Fargo 58078	West Fargo Pioneer	2,658	Wednesday
Westhope 58793	Westhope Standard	1,200	Wednesday
Williston 58801	Williston Plains Reporter	3,200	Wednesday
Wilton 58579	Wilton News	1,334	Thursday
Wishek 58495	Wishek Star	1,489	Thursday
Wyndmere 58081	Wyndmere Missile	450	Thursday

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1979.

* Total circulation of weekly and semi-weekly newspapers is 181,566.

Note: Selfridge Journal ceased publication June 14, 1979.

TABLE 7.08

NORTH DAKOTA DAILY NEWSPAPERS, 1979

City and Zip Code	County	Newspaper	Publisher or Manager	Circulation*	Issue Days
Bismarck 58501	Burleigh	Bismarck Tribune	Alton G. Sorlie	31,388	Daily except Sun.
Devils Lake 58301	Ramsey	Devils Lake Daily Journal	M.R. Graham	5,534	Mon. thru Fri.
Dickinson 58601	Stark	Dickinson Press	Ed Hauck	8,082	Tues. thru Sun. (Morning)
Fargo 58102	Cass	The Forum	William C. Marcil	62,989	M & E com & S
Grand Forks 58201	Grand Forks	Grand Forks Herald	John B. Lux	38,700	Eve. & Sun.
Jamestown 58401	Stutsman	Jamestown Sun	Gordon Hansen	9,858	Mon. thru Sat.
Minot 58701	Ward	Minot Daily News	Raymond C. Dobson	32,021	Daily except Sun.
Valley City 58072	Barnes	Valley City Times-Record	C. Vandestreek, Mgr.	3,750	Mon. thru Fri.
Wahpeton 58075	Richland	The Daily News	Newell C. Grant	6,571	Mon. thru Fri.
Williston 58801	Williams	Williston Herald	James S. Holman, Gen. Mgr.	7,505	Sun. thru Fri.

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1979.

* Total circulation of all daily newspapers is 206,398.

TABLE 7.10

NORTH DAKOTA OFFICIAL* COUNTY NEWSPAPERS, 1979

County	Newspaper	City
Adams	Adams County Record	Hettinger
Barnes	Valley City Times Record	Valley City
Benson	Benson County Farmers Press	Minnewaukan
Billings	The Billings County Pioneer	Medora
Bottineau	Bottineau Courant	Bottineau
Bowman	Bowman County Pioneer	Bowman
Burke	Burke County Tribune	Bowbells
Burleigh	The Bismarck Tribune	Bismarck
Cass	The Forum	Fargo
Cavalier	Langdon Republican	Langdon
Dickey	Oakes Times	Oakes
Divide	Divide County Journal	Crosby
Dunn	The Killdeer Herald	Killdeer
Eddy	The New Rockford Transcript	New Rockford
Emmons	Emmons County Record	Linton
Foster	Foster County Independent	Carrington
Golden Valley	Golden Valley News	Beach
Grand Forks	Grand Forks Herald	Grand Forks
Grant	Grant County News	Elgin
Griggs	Griggs County Sentinel-Courier	Cooperstown
Hettinger	Mott Pioneer Press	Mott
Kidder	The Steele Ozone-Press	Steele
La Moure	Edgeley Mail	Edgeley
Logan	Napoleon Homestead	Napoleon
McHenry	Mouse River Farmers Press	Towner
McIntosh	Ashley Tribune	Ashley
McKenzie	McKenzie County Farmer	Watford City
McLean	McLean County Independent	Garrison
Mercer	Beulah Beacon	Beulah
Morton	Mandan News	Mandan
Mountrail	Mountrail County Promoter	Stanley
Nelson	The Lakota American	Lakota
Oliver	Center Republican	Center
Pembina	Cavalier Chronicle	Cavalier
Pierce	Pierce County Tribune	Rugby
Ramsey	Devils Lake Daily Journal	Devils Lake
Ransom	Ransom County Gazette	Lisbon
Renville	Renville County Farmer	Mohall
Richland	Daily News	Wahpeton
Rolette	Turtle Mountain Star	Rolla
Sargent	The Teller	Milnor
Sheridan	The McClusky Gazette	McClusky
Sioux	Dakota Sun	Fort Yates
Slope	The Slope Messenger	Marmath
Stark	Dickinson Press	Dickinson
Steele	Steele County Press	Finley
Stutsman	The Jamestown Sun	Jamestown
Towner	Towner County Record-Herald	Cando
Traill	Hillsboro Banner	Hillsboro
Walsh	The Grafton Record	Grafton
Ward	Minot Daily News	Minot
Wells	Wells County Free Press	Fessenden
Williams	Williston Herald	Williston

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1979.
* Newspaper in which public legal notices are published.

TABLE 7.11

COMMERCIAL BROADCAST STATIONS IN NORTH DAKOTA, 1955-1977

Year	Radio Stations*		Television Stations*	Year	Radio Stations*		Television Stations*
	AM	FM			AM	FM	
1955	15	--	4	1967	23	4	10
1956	15	--	6	1968	25	5	11
1957	16	--	7	1969	27	9	11
1958	16	--	8	1970	27	11	12
1959	18	--	9	1971	27	10	12
1960	19	--	10	1972	27	10	12
1961	20	--	11	1973	27	10	12
1962	22	--	11	1974	26	9	12
1963	22	--	11	1975	26	8	12
1964	22	--	11	1976	26	13	11
1965	22	--	10	1977	26	11	11
1966	22	1	10				

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* As of January 1 of year indicated; excludes public broadcasting stations.

TABLE 7.12

LOCATIONS AND CALL LETTERS OF NORTH DAKOTA RADIO AND TELEVISION STATIONS, 1979

AM Radio Stations

Call Letter	Location	Call Letter	Location
KBMR	Bismarck	KNDC	Hettinger
KBOM	Bismarck	KEYJ	Jamestown
KFYR	Bismarck	KSJB	Jamestown
KDAK	Carrington	KNDK	Langdon
KDLR	Devils Lake	KMAV	Mayville
KDIX	Dickinson	KCJB	Minot
KLTC	Dickinson	KTYN	Minot
KFNW	Fargo	KHRT	Minot
KFGO	Fargo	KDDR	Oakes
KQWB	Fargo	KGCA	Rugby
WDAY	Fargo	KTGO	Tioga
KXPO	Grafton	KOVC	Valley City
KFJM	Grand Forks	KBMW	Wahpeton
KKXL	Grand Forks	KEYZ	Williston
KNOX	Grand Forks	KGCX	Williston
		KHOL	Beulah

FM Radio Stations

Call Letter	Location	Call Letter	Location
KYYY	Bismarck	KKDQ	Grand Forks
KQDY	Bismarck	KYTN	Grand Forks
KDVL	Devils Lake	KSJM	Jamestown
KDSU	Fargo	KNDR	Mandan
KQWB	Fargo	KMAV	Mayville
KFNW	Fargo	KCJB	Minot
WDAY	Fargo	KMOT	Minot
KFJM	Grand Forks	KKWB	Wahpeton
		KEYA	Beulah

Television Stations

Call Letter	Location	Call Letter	Location
KFYR Ch. 5	Bismarck	KGFE Ch. 2	Grand Forks
KXMB Ch. 12	Bismarck	WDAZ Ch. 8	Grand Forks
KBME Ch. 3	Bismarck	KMOT Ch. 10	Minot
KDIX Ch. 2	Dickinson	KXMC Ch. 13	Minot
KFME Ch. 13	Fargo	KUMV Ch. 8	Williston
KXJB Ch. 4	Fargo	KXMD Ch. 11	Williston
KTHI Ch. 11	Fargo		
WDAY Ch. 6	Fargo		

SOURCE: University of North Dakota, Communications Research Center, Directory of North Dakota Broadcasting Stations and CATV's, 1978-1979.

TABLE 7.15

PROGRAMMING OF NORTH DAKOTA RADIO STATIONS, DISTRIBUTION OF TYPE, 1978

		Programming (% air time)								
City	Call Letters	Rock, Contemporary	Country & Western	Religious Gospel Format	Middle-of-the Road Format	Talk Format Discussion	Classical Serious Music	News, Special Event	Educational Pub. Info.	Other
Bismarck	KBMR AM	---%	100%	--%	---%	--%	--%	--%	--%	--%
Bismarck	KQDY FM*	---	---	--	100	--	--	--	--	--
Bismarck	KBOM AM	---	---	5	50	10	--	30	2	3
Bismarck	KFYR AM	80	---	--	---	--	--	13	7	--
Bismarck	KYYY FM	91	---	--	---	--	--	9	--	--
Carrington	KDAK AM	---	15	2	70	--	--	5	2	6
Devils Lake	KDLR AM	20	20	5	40	--	--	10	5	--
Devils Lake	KDLR FM	---	20	5	55	--	5	10	5	--
Dickinson	KDIX AM	60	10	--	20	--	--	10	--	--
Fargo	KDSU FM	10	1	--	30	15	20	14	10	--
Fargo	KFNW AM	---	---	75	10	3	2	5	5	--
Fargo	KFNW FM	---	---	45	35	3	12	10	5	--
Fargo	KFGO AM	---	60	5	---	5	--	20	15	--
Fargo	KQWB AM	90	---	--	---	--	--	5	5	--
Fargo	KQWB FM	80	---	--	---	--	--	15	5	--
Fargo	WDAY AM	20	20	--	30	5	--	20	5	--
Fargo	WDAY FM*	---	---	--	90	2	--	7	1	--
Grafton	KXPO AM	---	---	--	70	5	--	20	5	--
Grand Forks	KFJM AM	---	---	--	5	--	35	75	25	10
Grand Forks	KFJM FM	---	---	--	10	--	35	10	25	20
Grand Forks	KKXL AM	100	---	--	---	--	--	--	--	--
Grand Forks	KKDQ FM	100	---	--	---	--	--	--	--	--
Grand Forks	KNOX AM	65	5		---	--	--	15	10	--
Grand Forks	KYTN FM	---	---	--	90	--	--	5	5	--
Hettinger	KNDC AM	2	40	1	40	2	--	10	4	1
Jamestown	KEYJ AM	3	3	3	50	3	--	35	3	--
Jamestown	KSJB AM	---	91	--	---	--	--	9	--	--
Jamestown	KSJM FM	31	---	--	62	1	--	5	1	--
Langdon	KNDK AM	10	49	7	---	2	--	20	12	--
Mayville	KMAV AM	---	100	--	---	--	--	--	--	--

TABLE 7.15--*Continued*

		Programming (1% air time)								
City	Call Letters	Rock, Contemporary	Country & Western	Religious Gospel Format	Middle-of-the Road Format	Talk Format Discussion	Classical Serious Music	News, Special Event	Educational Pub. Info.	Other
Minot	KCJB AM	---%	100%	--%	---%	--%	--%	--%	--%	--%
Minot	KCJB FM	100	---	--	---	--	--	--	--	--
Minot	KHRT AM	5	10	10	45	10	--	10	5	--
Minot	KLPM AM	45	1	3	6	10	5	25	5	--
Minot	KMOT FM	---	---	--	100	--	--	--	--	--
Minot	KTYN AM	---	100	--	---	--	--	--	--	--
Oakes	KDDR AM	---	80	--	20	--	--	--	--	--
Rugby	KGCA AM	10	60	10	10	--	--	5	5	--
Tioga	KTGO AM	---	85	4	---	--	--	10	1	--
Valley City	KOVC AM	25	30	5	20	5	--	10	5	--
Wahpeton	KBMW AM	25	20	5	25	--	--	20	5	--
Wahpeton	KKWB FM	---	---	5	85	--	--	5	5	--
Williston	KEYZ AM	---	75	1.5	---	8	1	12	2.5	--
Williston	KGCX AM	15	50	--	25	--	--	10	--	--

SOURCE: University of North Dakota Communications Research Center, Directory of North Dakota Broadcasting Stations and CATV's, 1978-1979.

* Transmit an SCA (background music) multiple subcarrier.

Note: Programming category, Other: (25) commercial; (6) polkas; (91) solid gold; and (1) jazz.

TABLE 7.16

PERCENT OF OCCUPIED HOUSEHOLDS WITH TELEVISION SETS
BY NORTH DAKOTA COUNTY, 1960 AND 1970

County	1960	1970
NORTH DAKOTA	85.6%	95.7%
Adams	79.7	94.5
Barnes	91.4	96.3
Benson	90.2	94.4
Billings	88.3	92.3
Bottineau	83.3	99.4
Bowman	79.3	91.5
Burke	80.9	97.6
Burleigh	89.0	96.1
Cass	91.4	94.3
Cavalier	60.0	97.6
Dickey	78.9	95.8
Divide	74.9	100.0
Dunn	77.2	97.2
Eddy	88.6	96.8
Emmons	85.4	98.0
Foster	86.2	90.3
Golden Valley	87.2	97.4
Grand Forks	90.5	95.9
Grant	79.1	93.4
Griggs	88.1	94.3
Hettinger	84.2	95.2
Kidder	92.0	96.3
La Moure	85.8	98.5
Logan	79.4	93.5
McHenry	85.8	95.8
McIntosh	71.7	94.6
McKenzie	85.4	96.4
McLean	87.9	96.9
Mercer	75.3	96.6
Morton	86.9	96.6
Mountrail	82.7	94.2
Nelson	90.6	96.4
Oliver	86.2	93.7
Pembina	69.0	92.4
Pierce	80.6	95.5
Ramsey	83.3%	94.7%
Ransom	88.4	93.9
Renville	92.6	100.0
Richland	86.9	95.8
Rolette	59.8	92.8
Sargent	88.4	97.3
Sheridan	81.8	91.5
Sioux	56.8	92.3
Slope	86.4	90.4
Stark	85.0	96.8
Steele	91.2	97.3
Stutsman	92.6	96.7
Towner	79.5	96.7
Traill	92.8	96.3
Walsh	87.2	96.7
Ward	88.4	96.5
Wells	84.6	91.3
Williams	85.9	95.5

SOURCE: Compiled from U.S. Dept. of Commerce, Bureau of the Census, Census of Housing, 1960 and 1970.

8.00

AGRICULTURE

This section presents data pertaining to agriculture, North Dakota's most important industry. Included are statistics on number of farms, land in farms, utilization of farmland and value of farmland; cash receipts and income from farming; farm production expenses, taxes and debt; production and value of selected crops; annual inventories of livestock on farms; prices received for crops, livestock and livestock products; commercial grain storage capacity, shipments and exports; and annual farm employment. The primary source of data contained herein is the annual *North Dakota Crop and Livestock Statistics*, issued cooperatively by the U.S. Department of Agriculture: Economics, Statistics and Cooperative Service (USDA-ESCS)* and the North Dakota State University Agricultural Experiment Station. Various special reports of these agencies, and publications of the U.S. Department of Commerce, provide substantial additional information.

The principal source of data on number of farms, land in farms, and utilization of farmland is the *Census of Agriculture*, conducted every five years by the U.S. Bureau of the Census. The 1974 census is the most recent available as the 1979 census results are incomplete. Thus, 1974 census data are supplemented with similar information reported in the Census Bureau's *Statistical Abstract of the United States* and the USDA's *Agricultural Statistics*. Data on value of farm real estate are also reported in these publications as well as in *North Dakota Crop and Livestock Statistics* and the USDA's *Farm Real Estate Market Developments*. The latter publication also provides statistics on farm title transfers.

Data pertaining to cash receipts and farm income are available in *North Dakota Crop and Livestock Statistics*, which reports information provided in the USDA's *Farm Income Situation* and *Agricultural Statistics*. Long-term series for early years are available in *Statistics of North Dakota Agriculture* (revised 1972) and *Price Trends in North Dakota, 1950-70*, joint publications of USDA and North Dakota State University.

North Dakota farm production expenses data are provided in the USDA's *Farm Income Situation*. Data on farm loans and debt (real estate and non-real estate) by lending agency are provided in the USDA's *Agricultural Finance Statistics* and *Farm Real Estate Market Developments*. Data on real estate taxes are reported in these sources as well as in the USDA's *Farm Real Estate Taxes* and *Agricultural Statistics*.

Estimates of production and value of selected crops are compiled by the North Dakota Crop and Livestock Reporting Service and appear in *North Dakota Crop and Livestock Statistics*. The series are revised annually and after each five year census of agriculture, but may be subject to additional revisions as well. Long-term series for earlier years, although not completely revised, appear in *Statistics of North Dakota Agriculture*. Data on the number and value of livestock on farms are available from the same sources and are subject to the revisions cited above.

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*The USDA-ESCS was formerly termed USDA Statistical Reporting Service and source notes to tables included herein often indicate this reference. Note also that the agency is known locally as the North Dakota Crop and Livestock Reporting Service.

Seasonal average prices and calendar prices for crops are also reported in *North Dakota Crop and Livestock Statistics* as are annual average prices for livestock and livestock products. These series are also revised annually. A long-term series of agricultural prices is available in *Price Trends in North Dakota, 1950-70.*

Data on commercial grain storage capacity and shipments from commercial storage are reported in *North Dakota Crop and Livestock Statistics*. Statistics pertaining to North Dakota's agricultural exports are provided in *North Dakota Exports*, a publication of the U.S. Department of Commerce, State Export Service.

Recent annual average farm employment data, including family workers and hired workers, are reported in *North Dakota Crop and Livestock Statistics*. Similar data for earlier years are provided in *Agriculture Statistics* and *Censuses of Agriculture*.

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TABLE 7.13

NORTH DAKOTA TELEVISION PRODUCTION CAPABILITIES, 1978

City	Call Letters & Channel	Color				Other Equipment							Comm'l. Prod.			CATV			
		Live Studio	Film Chain	Remote Equip.	ENG	VTR	VTR - Electronic Editing	VTR Type	16mm Sound	Type Sound	16mm Silent	Process Film	Sound-on-Film	VTR	Slides, Easel	% Cir. in ND	% Circulation outside ND	Total CATV Circulation	Translators
Bismarck	KFYR 5	C	C	yes	yes	B	yes	Q	yes	OM	yes	C	yes	yes	yes	10%	0%	10	yes
Bismarck	KXMB 12	C	C	yes	no	lo	no	Q	yes	OM	yes	C	yes	yes	yes	3	0	3	no
Dickinson	KDIX 2	C	C	yes	yes	lo	yes	Q	yes	OM	yes	no	yes	yes	yes	NA	NA	NA	yes
Fargo	KFME[a] 13	C	C	yes	yes	B	yes	Q	yes	OM	yes	no	yes	yes	yes	2	2	4	yes
Fargo	KXJB 4	C	C	C	yes	B	yes	Q	yes	OM	yes	C	yes	yes	yes	NA	NA	NA	yes
Fargo	KTHI 11	C	C	yes	yes	hi	yes	Q[c]	yes	OM	yes	yes	yes	yes	yes	10	25	35	yes
Fargo	WDAY 6	C	C	C	yes	B	yes	Q	yes	OM	yes	C	yes	yes	yes	25	10	35	yes
Grand Forks	WDAZ 8	C	C	C	yes	B	yes	Q	yes	OM	yes	C	yes	yes	yes	25	10	35	no
Minot	KMOT 10	C	C	yes	yes	lo	no	H	yes	OM	yes	C	yes	yes	yes	22	2	24	yes
Minot	KXMC 13	C	C	BW	no	lo	no	Q	yes	OM	yes	C	yes	yes	yes	NA	NA	NA	no
Williston	KUMV 8	C	C	yes	yes	hi	yes	H	yes	OM	yes	no	yes	yes	yes	40	0	40	yes
Williston	KXMD 11	1[b]	C	yes	yes	lo	no	Q	yes	M	yes	yes	no	yes	yes	2	1	3	yes

SOURCE: University of North Dakota Communications Research Center, Directory of North Dakota Broadcasting Stations and CATV's, 1978-79.

[a] Programs same for KGFE, Ch. 2, Grand Forks; [b] No live cap. now, color as of 9/76; [c] Quad. 1" and 3/4" tape.

C = Color. BW = Black and white capability only. Film Chain = Television film projection equipment.
Remote Equipment = refers to portable equipment used for origination of programs outside of usual studio facilities.
ENG = Electronic News Gathering. VTR = Videotape recorder, (hi) = high band VTR; (lo) = low band VTR; (B) = Both.
VTR Type: Q = Quadraplex 2" tape machine; H = Helical Scan 1" tape. 16mm Sound = refers to sound on film cine equipment.
Type Sound: O = Optical sound; M = Magnetic sound; OM - both optical and magnetic.
Process Film = refers to in plant cine film processing machinery.
Commercial Production = this category indicates the presence or absence of facilities and staff necessary to produce commercials (or other programs) in the media indicated.

TABLE 7.14

TIME SALES AND BROADCAST REVENUES FOR RADIO STATIONS IN THE UNITED STATES, NORTH DAKOTA, AND OTHER NORTH CENTRAL STATES, FISCAL YEARS, 1970 AND 1976

State	AM and AM/FM Time Sales					
	Network Sales		Nat'l Regional Advertisers[1]		Local Advertisers	
	FY 1970	FY 1976	FY 1970	FY 1976	FY 1970	FY 1976
United States	$9,726,434	$15,019,251	$ 344,587,355	$ 414,201,111	$ 782,758,710	$1,389,243,066
NORTH DAKOTA	52,973	37,754	803,881	906,391	3,510,010	7,508,518
South Dakota	39,391	19,270	687,637	1,037,658	3,749,132	7,067,312
Minnesota	162,168	174,883	5,164,322	5,963,147	17,995,166	30,529,748
Montana	144,161	167,226	649,052	813,997	4,167,386	7,695,972
Wyoming	104,405	107,882	204,439	333,212	2,145,791	4,606,245
Nebraska	100,573	114,508	2,326,828	3,453,786	8,042,439	13,920,958
Iowa	151,286	141,363	3,972,785	5,246,518	13,945,598	24,609,585

State	Stations Reporting $25,000 or more time sales[2]		Total Broadcast Revenues[3]	
	FY 1970	FY 1976	FY 1970	FY 1976
United States	4,523	5,375	$1,050,059,889	$1,675,539,518
NORTH DAKOTA	26	30	4,274,818	8,341,103
South Dakota	30	37	4,370,006	8,047,271
Minnesota	86	100	22,552,986	35,380,814
Montana	39	47	5,045,477	8,938,178
Wyoming	28	31	2,444,248	5,071,301
Nebraska	49	53	9,827,377	16,445,357
Iowa	80	97	17,316,259	28,725,576

SOURCE: Federal Communications Commission, Annual Report, Fiscal Years 1970 and 1976.

[1] Pre-commission Sales.

[2] Stations reporting less than $25,000 time sales account for less than one-tenth of 1% of broadcast revenues.

[3] Time sales plus other program and incidental sales less commissions.

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TABLE 8.01

LAND UTILIZATION IN NORTH DAKOTA, SELECTED YEARS, 1930-1974

Census Year[1]	Total Cropland (acres)	Cropland used for Pasture (acres)[2]	Harvested Cropland (acres)	Other Cropland (acres)	Total Woodland (acres)	Other Land and Pasture (acres)	Irrigated Land (acres)	Total Land in Farms (acres)
1930	27,710,796	3,182,676	21,254,660	3,273,406	557,742	10,389,356	10,651[3]	38,657,894
1935	27,135,655	2,732,525	9,348,482	15,054,648	575,435	11,407,046	11,759[4]	39,118,136
1940	27,100,920	3,622,528	15,536,632	7,941,760	385,957	10,449,259	19,975	37,936,136
1945	25,102,923	709,815	20,816,814	3,576,294	473,998	15,424,237	22,814	41,001,158
1950	27,627,872	935,210	20,352,760	6,339,902	729,343	12,836,829	35,294	41,194,044
1954	27,699,621	754,500	21,241,135	5,703,986	551,579	13,625,724	37,672	41,876,924
1959	27,706,756	755,888	19,357,711	7,593,157	456,795	13,302,166	47,656	41,465,717[5]
1964	27,446,025	848,375	17,695,500	8,902,150	387,830	14,883,650	50,548	42,717,500
1969	29,458,878	1,888,933	17,174,891	10,395,054	441,791	13,217,162	63,238	43,117,831
1974	29,185,095	2,269,832	19,207,401	7,707,862	502,217	12,700,112	70,891	42,387,424

SOURCE: U.S. Dept. of Agriculture, Agricultural Census Data for North Dakota, various years; North Dakota State University, Department of Agricultural Economics; and U.S. Bureau of the Census, Census of Agriculture, various years.

[1] Years 1954 to 1974 refer to the census years. Other years refer to calendar year preceding census.

[2] Not fully comparable for all census years because of differences in definition of cropland used for pasture only.

[3] Includes some duplication where more than one crop harvested from same land.

[4] Irrigated cropland harvested only.

[5] Includes some public lands leased and re-leased by Grazing Associations enumerated as farms in 1964 Census.

TABLE 8.02

NUMBER OF FARMS, LAND IN FARMS, AND VALUE OF FARM REAL ESTATE, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1920-1978

Year	North Dakota			United States		
	Number of Farms (Thousands)	Total Acreage (Millions)	Value of Land And Buildings (Million Dollars)	Number of Farms (Thousands)	Total Acreage (Millions)	Value of Land and Buildings (Million Dollars)
1920	77.7	36.2	$ 1,488	6,448	955.9	$ 66,316
1925	76.0	34.3	1,020	6,372	924.3	49,468
1930	78.0	38.7	951	6,289	986.8	47,880
1935	84.6	39.1	668	6,812	1,054.5	32,859
1940	74.0	37.9	490	6,097	1,060.9	33,642
1945	69.5	41.0	787	5,859	1,141.6	53,889
1950	65.4	41.2	1,189	5,382	1,158.6	75,261
1955	61.5	42.5	1,514	4,654	1,201.9	98,172
1960	56.0	42.1	2,221	3,963	1,175.6	130,169
1965	49.5	42.0	2,873	3,356	1,139.6	166,980
1970	45.5	41.9	4,045	2,949	1,102.4	215,042
1971	45.0	41.8	3,971	2,902	1,096.9	222,324
1972	44.0	41.8	4,096	2,860	1,092.1	238,656
1973	43.5	41.8	5,414	2,823	1,087.9	266,241
1974	43.0	41.7	6,005	2,795	1,084.4	326,569
1975	42.5	41.7	8,132	2,767	1,081.4	367,157
1976	42.0	41.7	9,508	2,738	1,078.3	415,473
1977	41.5	41.7	10,759	2,706	1,075.0	482,148
1978	41.5	41.7	11,384	2,680	1,072.3	523,952

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; North Dakota State University, Department of Agricultural Economics, and Agricultural Statistics, various years; and Land in Farms, 1950-1959, by States, (Statistical Bulletin No. 316).

TABLE 8.03

THE FIVE LEADING STATES AND NORTH DAKOTA'S RANK WITH RESPECT TO PRODUCTION OF AGRICULTURAL COMMODITIES, 1977

Item	Rank 1	2	3	4	5	North Dakota's Rank	North Dakota's % Share of National Total
Crop Production 1977							
Corn for Grain	Ill.	Iowa	Ind.	Nebr.	Minn.	24	*%
Corn for Silage	Wis.	Iowa	Minn.	N.Y.	Pa.	19	1
All Wheat	Kans.	N. Dak.	Okla.	Minn.	Mont.	2	11
Winter Wheat	Kans.	Okla.	Tex.	Nebr.	Wash.	36	*
Durum Wheat	N. Dak.	Ariz.	Mont.	S. Dak.	Minn.	1	76
Other Spring Wheat	N. Dak.	Minn.	S. Dak.	Mont.	Idaho	1	40
Oats	Minn.	S. Dak.	Iowa	Wis.	N. Dak.	5	8
Barley	N. Dak.	Mont.	Calif.	Minn.	Idaho	1	24
Rye	S. Dak.	Minn.	Ga.	N. Dak.	Nebr.	4	10
Flaxseed	N. Dak.	S. Dak.	Minn.	Tex.	Mont.	1	53
Potatoes	Idaho	Wash.	Maine	Oreg.	Calif.	6	6
Soybeans for Beans	Ill.	Iowa	Mo.	Ind.	Minn.	28	*
Dry Edible Beans	Calif.	Mich.	Idaho	Nebr.	Colo.	6	7
Sugar Beets[a]	Calif.	Minn.	N. Dak.	Idaho	Mich.	3	11
Sunflowers	N. Dak.	Minn.	Tex.	S. Dak.	-----	1	57
Alfalfa Seed	Calif.	Idaho	Wash.	Nev.	S. Dak.	12	*
Alfalfa Hay & Mixtures	Wis.	Minn.	Calif.	Iowa	Nebr.	15	2
All Other Hay	Mo.	Tex.	Ky.	N.Y.	S. Dak.	15	3
All Hay	Wis.	Minn.	Calif.	Nebr.	Iowa	17	2
Total Acreage of Principal Crops Harvested	Iowa	Ill.	Tex.	Kans.	Minn.	6	6

TABLE 8.03--*Continued*

Item	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	North Dakota's Rank	North Dakota's % Share of National Total
Livestock on Hand January 1, 1978							
All Cattle & Calves	Tex.	Iowa	Nebr.	Kans.[t]	Mo.[t]	20	2%
Milk Cows That Have Calved	Wis.	N.Y.	Minn.	Calif.	Pa.	29	1
Beef Cows That Have Calved	Tex.	Mo.	Okla.	Nebr.	Iowa	15	3
All Hogs - December 1977	Iowa	Ill.	Ind.[t]	Minn.[t]	Mo.	24	1
Stock Sheep & Lambs	Tex.	Wyo.	Calif.	S. Dak.	N. Mex.	17	2
Sheep & Lambs on Feed	Colo.	Calif.	Tex.	Wyo.	Oreg.	13	3
Cattle & Calves on Feed	Tex.	Nebr.	Iowa	Kans.	Colo.	30	*
All Chickens - December 1977	Calif.	Ga.	Ark.	N. C.	Ala.	46	*
Livestock Production in 1977							
Calf Crops	Tex.	Mo.	Iowa	Okla.	Wis.	16	2
Lamb Crops	Tex.	Wyo.	Calif.	S. Dak.	Idaho	15	2
Pig Crops	Iowa	Ill.	Mo.	Minn.	Ind.	24	1
Chickens Raised[b]	Calif.	Ga.	Ark.	N. C.	Ala.	42	*
Turkeys Raised	Minn.	Calif.	N. C.	Ark.	Mo.	22	1
Egg Production	Calif.	Ga.	Ark.	Ala.	Ind.	46	*
Wool Production	Tex.	Wyo.	Calif.	Colo.	S. Dak.	15	2
Honey Production	Fla.	Calif.	Minn.	N. Dak.	Wis.	4	6
Milk Production	Wis.	Calif.	N.Y.	Minn.	Pa.	28	1
Creamery Butter	Wis.	Minn.	Calif.	Iowa	Wash.	20	1
American Cheese	Wis.	Minn.	Iowa	N.Y.	Idaho	6	3

TABLE 8.03--*Continued*

Item	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	North Dakota's Rank	North Dakota's % Share of National Total
Cash Receipts From Farm Marketings & Govt. Payments 1977							
Crops[a]	Calif.	Ill.	Tex.	Iowa	Ind.	18	2%
Livestock[a]	Iowa	Tex.	Calif.	Wis.	Nebr.	31	1
Total	Calif.	Iowa	Tex.	Ill.	Minn.	26	2
Government Payments	Iowa	Tex.	N. Dak.	S. Dak.	Okla.	3	8
Realized Income per Farm							
Gross[c]	Ariz.	Calif.	Del.	Nev.	Fla.	22	--
Net[c]	Ariz.	Calif.	Fla.	Del.	Maine	32	--

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, Annual Summary for 1977 and Revisions for 1976; and North Dakota State University, Department of Agricultural Economics.

[a] Preliminary.

[b] Farm chickens.

[c] 1976 data.

[t] Tied.

* Less than one-half of one percent.

TABLE 8.04

PRODUCTION OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1978

Year	Grain Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.
1925	3,400	43,036	70,495	-----	113,531	61,378	36,400
1930	2,790	37,417	69,911	-----	107,328	40,312	42,702
1935	6,880	18,144	36,570	-----	54,714	51,371	42,840
1940	11,352	24,885	67,860	-----	92,745	35,301	27,952
1945	9,090	29,948	124,620	-----	154,568	86,222	52,532
1950	9,350	32,440	91,546	-----	123,986	58,464	51,504
1955	12,625	12,740	96,596	-----	109,336	54,740	81,698
1960	8,932	26,880	100,620	-----	127,500	66,129	84,672
1965	7,252	61,411	115,824	680	177,915	106,038	97,760
1970	6,375	46,075	109,112	1,377	156,564	120,056	65,892
1971	10,730	82,063	207,711	1,800	291,574	113,630	99,810
1972	11,390	65,493	149,147	2,178	216,818	105,570	104,680
1973	10,080	69,575	169,675	2,336	241,586	73,800	102,490
1974	8,160	70,800	136,530	3,422	210,752	44,100	56,280
1975	7,140	104,940	156,315	3,137	264,392	56,170	79,800
1976	7,640	90,500	193,550	3,780	287,830	44,840	81,320
1977	17,301	60,515	167,000	2,392	229,907	60,000	98,670
1978*	19,987	102,060	180,090	3,915	286,065	65,880	112,700

TABLE 8.06

VALUE OF PRODUCTION PER HARVESTED ACRE OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1978

(Dollars Per Acre)

Year	Grain Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
1925	$ 11.60	$ NA	$ NA	$------	$ 16.60	$ 7.40	$ 9.60
1930	9.00	6.64	6.43	------	6.48	4.94	4.78
1935	9.80	7.98	4.86	------	5.53	4.23	4.50
1940	10.32	6.72	8.16	------	7.77	4.30	4.64
1945	24.30	25.90	23.56	------	24.02	18.20	23.46
1950	29.70	28.08	28.70	------	28.63	18.48	28.56
1955	30.75	32.37	32.08	------	32.22	13.16	19.35
1960	24.92	40.74	34.90	------	36.06	14.74	17.40
1965	37.00	39.68	34.80	26.40	36.17	25.75	38.80
1970	58.14	34.50	34.04	33.27	34.16	21.93	28.56
1971	58.00	42.58	40.95	34.50	41.35	25.85	35.10
1972	91.79	55.29	54.52	56.76	54.78	31.11	41.60
1973	130.48	169.68	117.70	133.75	132.82	45.10	77.33
1974	150.43	119.40	91.23	118.00	101.19	40.89	82.15
1975	128.52	123.23	103.28	88.76	110.84	54.12	96.90
1976	87.60	61.75	65.42	63.84	64.26	52.06	85.12
1977	143.81	65.17	60.00	53.82	61.31	37.60	60.06
1978*	158.00	89.78	79.75	73.95	83.06	53.46	80.50

Year	Rye	Flaxseed	Potatoes	Sugar Beets**	Soybeans	Sun-flowers	All Hay
1925	$ 7.04	$15.14	$99.54	$ 51.34	$------	$------	$-----
1930	3.92	7.73	60.45	61.51	------	------	-----
1935	4.20	7.64	37.17	56.21	------	------	-----
1940	3.68	7.92	41.40	66.00	------	------	4.69
1945	20.79	22.72	147.74	95.06	24.15	------	9.51
1950	12.92	29.34	152.76	92.40	26.04	------	13.21
1955	16.96	21.89	174.60	132.21	32.70	------	14.15
1960	16.50	19.64	170.24	150.29	28.08	------	15.81
1965	22.18	33.24	203.00	120.90	46.93	42.48	19.43
1970	24.94	23.60	250.50	167.44	40.80	47.39	21.14
1971	24.70	24.36	190.65	251.59	40.18	52.09	23.95
1972	26.32	37.56	398.75	223.69	87.13	44.66	27.13
1973	61.37	60.96	667.00	417.74	129.25	88.89	36.70
1974	65.78	72.00	535.50	432.09	96.09	135.18	52.79
1975	58.50	61.85	672.00	396.26	97.32	118.68	53.57
1976	61.21	57.44	483.00	265.91	91.27	110.70	52.59
1977	46.80	46.40	432.00	381.81	116.60	132.49	45.25
1978*	55.80	62.40	472.50	NA	162.27	132.01	64.35

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics; Price Trends in North Dakota, 1950-1970; North Dakota State University, Department of Agricultural Economics.

* Preliminary.

** Excluding government payments.

TABLE 8.04--*Continued*

Year	Rye	Flaxseed	Potatoes	Sugar Beets	Soybeans	Sunflowers	All Hay Baled
	1000 bu.	1000 bu.	1000 cwt.	1000 tons	1000 bu.	1000 pounds	tons
1925	16,338	9,789	3,192	42.9	-----	-----	2,735
1930	13,933	8,256	3,978	72.8	-----	-----	2,576
1935	12,398	5,616	7,409	119.7	-----	-----	2,971
1940	8,648	3,672	10,626	186.0	-----	-----	2,742
1945	1,552	12,200	14,076	168.9	58	-----	3,233
1950	2,310	17,181	12,768	230.8	430	3,911	3,351
1955	8,816	23,750	7,830	398.0	1,364	-----	4,353
1960	6,666	15,054	14,336	564.0	2,288	-----	4,298
1965	12,138	19,560	15,370	715.0	4,009	21,250	4,724
1970	5,249	16,440	17,550	1,070.0	2,715	112,460	4,801
1971	9,750	9,041	19,995	1,204.0	2,912	243,420	4,917
1972	4,615	7,320	17,400	1,008.0	3,895	368,710	5,101
1973	3,039	7,576	19,140	1,284.0	5,123	431,010	4,197
1974	2,650	6,688	22,950	1,562.0	2,723	352,680	4,707
1975	2,975	7,700	17,600	1,820.0	2,906	547,800	5,268
1976	2,831	4,000	16,940	2,022.0	1,838	600,000	3,976
1977	2,080	7,500	21,600	2,769.0	3,500	1,658,250	3,229
1978*	6,355	4,920	22,400	3,054.0	4,758	2,504,880	5,526

SOURCE: Statistics of North Dakota Agriculture (revised 1972) and data from pending revision provided by North Dakota State University, Department of Agricultural Economics.

* Preliminary.

TABLE 8.05

TOTAL VALUE OF PRODUCTION OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1978

(Thousands of Dollars)

Year	Grain Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
1925	$ 1,972	$ NA	$ NA	$-----	$ 153,267	$17,800	$ 17,472
1930	1,395	20,205	44,044	-----	64,397	9,272	12,384
1935	3,371	13,789	29,622	-----	43,224	9,247	10,710
1940	4,881	15,926	46,145	-----	62,139	7,413	8,106
1945	9,817	47,018	189,422	-----	236,440	48,284	53,583
1950	12,622	67,475	187,669	-----	255,144	38,586	61,290
1955	15,529	31,723	199,954	-----	231,677	25,728	70,260
1960	7,949	52,147	180,110	-----	232,257	29,097	60,117
1965	7,252	78,606	167,945	898	247,449	53,019	94,827
1970	7,268	63,583	161,486	1,764	226,833	61,229	55,349
1971	10,730	107,503	270,024	2,070	379,597	53,406	77,852
1972	15,604	127,056	280,396	3,746	411,198	64,398	108,867
1973	23,486	429,278	726,209	9,764	1,165,251	81,180	214,204
1974	25,051	422,676	607,559	13,688	1,043,923	62,181	174,468
1975	17,993	487,971	633,075	10,918	1,131,964	74,144	203,490
1976	16,732	223,535	516,779	8,618	748,932	61,431	182,157
1977	34,083	160,970	400,800	5,597	560,496	57,000	157,872
1978*	39,974	290,871	495,248	9,983	796,102	65,221	197,225

TABLE 8.05--*Continued*

Year	Rye	Flaxseed	Potatoes	Sugar Beets**	Soybeans	Sunflowers	All Hay
1925	$10,946	$22,123	$ 7,554	$ 237	$------	$------	$-------
1930	4,877	13,292	6,166	509	------	------	-------
1935	3,595	7,806	4,692	716	------	------	-------
1940	2,767	4,847	6,376	928	------	------	14,258
1945	2,390	34,648	25,102	1,638	122	------	32,653
1950	2,841	56,010	17,109	2,539	1,066	176	48,590
1955	9,345	68,400	15,190	4,497	2,878	------	53,542
1960	5,000	38,388	19,067	6,373	4,942	------	61,461
1965	10,560	54,181	21,518	8,080	9,902	1,062	70,388
1970	4,514	38,798	29,309	15,622	7,385	5,734	74,416
1971	7,410	20,975	24,594	18,542	8,357	12,346	81,131
1972	3,738	22,912	47,850	16,531	16,554	18,176	91,818
1973	6,321	57,729	88,044	33,127	28,177	36,535	134,304
1974	6,705	64,205	72,293	60,449	16,338	49,611	195,341
1975	6,962	50,127	73,920	51,870	14,501	59,102	189,648
1976	6,794	28,720	58,443	39,833	13,417	66,420	180,908
1977	3,744	34,800	58,320	59,257	20,405	174,882	142,076
1978*	11,439	25,584	60,480	NA	28,072	248,184	225,855

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; Price Trends in North Dakota, 1950-1970; and North Dakota State University, Department of Agricultural Economics.

* Preliminary.

** Excluding value of government payments.

TABLE 8.07

CASH RECEIPTS AND PERCENT OF TOTAL CASH RECEIPTS FROM SALE OF SPECIFIED CROPS FOR NORTH DAKOTA, SELECTED YEARS, 1925-1977

(Thousands of Dollars)

Year	Corn		Wheat		Oats		Barley		Rye	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ 607	0.2%	$ 149,792	53.8%	$ 5,383	1.9%	$ 9,827	3.5%	$ 10,697	3.8%
1930	73	0.1	58,003	39.0	1,157	0.8	3,745	2.5	3,053	2.1
1935	165	0.2	22,934	24.7	887	1.0	2,213	2.4	949	1.0
1940	466	0.3	54,800	35.7	730	0.5	2,076	1.4	1,680	1.1
1945	1,718	0.4	209,236	43.4	18,817	3.9	34,524	7.2	1,732	0.4
1950	3,606	0.7	205,247	40.2	8,347	1.6	36,063	7.1	2,812	0.6
1955	3,383	0.7	197,858	38.1	7,568	1.5	49,536	9.5	7,732	1.5
1960	2,147	0.4	220,484	41.8	9,079	1.7	46,344	8.8	3,578	0.7
1965	2,265	0.3	219,335	32.0	21,755	3.2	77,990	11.4	9,692	1.4
1970	3,629	0.5	312,059	40.2	34,375	4.4	48,969	6.3	3,675	0.5
1971	4,102	0.5	318,578	38.0	28,287	3.4	64,494	7.7	5,486	0.7
1972	8,249	0.7	526,900	46.5	35,559	3.1	80,395	7.1	5,387	0.5
1973	15,891	0.7	1,207.645	56.1	63,419	2.9	153,505	7.1	8,849	0.4
1974	19,364	0.8	1,331,533	54.9	60,153	2.5	221,509	9.1	9,888	0.4
1975	11,931	0.7	931,966	50.9	16,827	0.9	137,620	7.5	7,198	0.4
1976	11,649	0.7	748,811	44.7	20,133	1.2	153,202	9.1	5,592	0.3
1977	20,319	1.3	531,948	34.6	16,622	1.1	107,619	7.0	3,567	0.2

Year	Flax		Potatoes		Sugar Beets		Soybeans		Sunflowers[1]	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ 24,060	8.6%	$ 3,653	1.3%	$---------	---%	$-------	---%	$-------	---%
1930	12,590	8.5	4,039	2.7	---------	---	-------	---	-------	---
1935	6,454	6.9	1,974	2.1	---------	---	-------	---	-------	---
1940	3,748	2.4	4,525	3.0	---------	---	-------	---	-------	---
1945	31,501	6.5	17,601	3.7	---------	---	99	*	-------	---

TABLE 8.07--*Continued*

Year	Flax		Potatoes		Sugar Beets		Soybeans		Sunflowers[1]	
	Total	%	Total	%	Total	%	Total	%	Total	%
1950	$ 53,471	10.5%	$ 17,393	3.4%	$ 2,407	0.5%	$ 781	0.2%	$-------	---%
1955	73,600	14.2	12,906	2.5	4,497	0.9	2,013	0.4	-------	---
1960	31,760	6.0	19,330	3.7	6,373	1.2	5,143	1.0	-------	---
1965	45,158	6.6	31,253	4.6	8,080	1.2	7,716	1.1	-------	---
1970	35,397	4.6	23,664	3.0	15,622	2.0	6,509	0.8	-------	---
1971	32,421	3.9	22,500	2.7	18,542	2.2	10,233	1.2	-------	---
1972	17,459	1.5	24,270	2.1	16,531	1.5	10,932	1.0	-------	---
1973	51,529	2.4	51,925	2.4	33,127	1.5	15,227	0.7	-------	---
1974	55,972	2.3	83,625	3.4	60,449	2.5	25,900	1.1	-------	---
1975	47,131	2.6	49,929	2.7	51,870	2.8	13,858	0.8	59,102	3.2
1976	29,850	1.8	56,589	3.4	39,833	2.4	12,838	0.8	66,420	4.0
1977	37,117	2.4	56,027	3.6	54,782	3.6	16,390	1.1	174,882	11.4

Year	Hay		Misc.[2]		Crops Total	
	Total	%	Total	%	Total	%
1925	$ 1,184	0.4%	$ 1,927	0.7%	$ 207,130	74.4%
1930	1,099	0.7	1,833	1.2	85,592	57.5
1935	425	0.5	1,454	1.6	37,455	40.3
1940	244	0.2	2,023	1.3	70,292	45.8
1945	867	0.2	4,254	0.9	320,349	66.5
1950	2,515	0.5	3,515	0.7	336,157	65.9
1955	2,850	0.5	3,889	0.7	365,832	70.4
1960	4,757	0.9	3,301	0.6	352,296	66.8
1965	6,136	0.9	8,415	1.2	437,795	63.9
1970	5,954	0.8	14,011	1.8	503,864	64.9
1971	6,472	0.8	21,272	2.5	532,487	63.6
1972	7,098	0.6	34,134	3.0	766,914	67.7

TABLE 8.07--*Continued*

Year	Hay		Misc.[2]		Crops Total	
	Total	%	Total	%	Total	%
1973	$ 8,670	0.4%	$ 66,496	3.1%	$ 1,676,283	77.8%
1974	13,964	0.6	95,668	3.9	1,978,025	81.5
1975	17,579	1.0	31,399	1.7	1,376,410	75.2
1976	20,454	1.2	31,950	1.9	1,197,321	71.4
1977	13,233	0.9	23,493	1.5	1,055,999	68.6

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; Price Trends in North Dakota, 1950-1970; and North Dakota State University, Department of Agricultural Economics.

[1] Included in miscellaneous prior to 1975.

[2] Includes dry field peas, dry beans, alfalfa, sweet clover, sunflowers (prior to 1975), miscellaneous vegetables, miscellaneous fruits and nuts, bromegrass, red clover, wheat grass, other seeds, other field crops and greenhouse products.

* Less than .05%.

TABLE 8.08

CASH RECEIPTS AND PERCENT OF TOTAL CASH RECEIPTS FROM SALE OF LIVESTOCK AND LIVESTOCK PRODUCTS FOR NORTH DAKOTA, SELECTED YEARS, 1925-1977 (Thousands of Dollars)

Year	Cattle		Sheep		Hogs		Dairy[1]		Chickens		Eggs	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ 19,428	7.0%	$1,618	0.6%	$19,153	6.9%	$19,804	7.1%	$1,734	0.6%	$ 5,483	2.0%
1930	14,843	10.0	2,055	1.4	14,101	9.5	20,537	13.8	2,609	1.8	3,690	2.5
1935	8,700	9.4	1,938	2.1	3,159	3.4	15,357	16.5	1,396	1.5	2,546	2.7
1940	18,765	12.2	2,987	1.9	6,869	4.5	18,380	12.0	1,507	1.0	2,516	1.6
1945	57,053	11.8	6,277	1.3	27,598	5.7	32,233	6.7	7,438	1.5	12,667	2.6
1950	90,821	17.8	3,957	0.8	20,378	4.0	34,603	6.8	3,419	0.7	9,681	1.9
1955	71,371	13.7	5,087	1.0	17,257	3.3	37,001	7.1	2,093	0.4	11,234	2.2
1960	97,296	17.2	6,829	1.2	17,336	3.1	38,693	6.8	618	0.1	7,300	1.3
1965	169,758	21.2	7,487	0.9	19,954	2.5	36,606	4.6	154	*	5,914	0.7
1970	192,085	20.4	6,368	0.7	20,980	2.2	41,295	4.4	123	*	3,839	0.4
1971	223,956	22.9	5,691	0.6	23,642	2.4	41,296	4.2	127	*	2,789	0.3
1972	276,875	25.0	5,802	0.5	28,588	2.6	43,250	3.8	108	*	2,581	0.2
1973	353,959	15.6	7,472	0.3	37,890	1.7	57,253	2.4	144	*	4,308	0.2
1974	325,361	13.2	8,133	0.3	37,147	1.5	62,670	2.6	149	*	4,366	0.2
1975	329,448	17.8	6,056	0.3	39,780	2.2	62,927	3.4	166	*	3,495	0.2
1976	339,272	20.0	4,190	0.3	40,800	2.4	75,485	4.4	146	*	3,330	0.2
1977	347,438	20.9	6,603	0.4	35,426	2.1	76,057	4.6	64	*	2,798	0.2

Year	Turkeys		Wool		Honey & Beeswax[2]		Misc.[3]		Livestock Total	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$-------	----%	$ 792	0.3%	$------	---%	$ 3,268	1.2%	$ 71,280	25.6%
1930	3,537	2.4	1,128	0.8	------	---	715	0.5	63,215	42.5
1935	2,515	2.7	1,054	1.1	------	---	1,893	2.0	38,558	41.5
1940	3,243	2.1	1,910	1.2	------	---	1,002	0.7	57,179	37.3
1945	4,306	0.9	2,739	0.6	------	---	2,150	0.4	152,461	31.7

TABLE 8.08--*Continued*

Year	Turkeys		Wool		Honey & Beeswax[2]		Misc.[3]		Livestock Total	
	Total	%	Total	%	Total	%	Total	%	Total	%
1950	$ 2,811	0.6%	$1,535	0.3%	$------	---%	$ 969	0.2%	$168,174	32.9%
1955	2,500	0.5	1,577	0.3	------	---	1,312	0.3	149,432	28.8
1960	3,772	0.7	2,618	0.5	------	---	877	0.2	175,339	31.0
1965	4,271	0.5	2,040	0.3	------	---	1,403	0.2	247,587	30.9
1970	4,140	0.4	1,138	0.1	------	---	2,593	0.3	272,561	28.9
1971	4,182	0.4	695	0.1	------	---	2,582	0.3	304,960	31.2
1972	4,437	0.4	1,026	0.1	------	---	4,063	0.4	366,730	33.0
1973	9,013	0.4	2,295	0.1	------	---	4,839	0.2	477,173	21.0
1974	3,960	0.2	1,483	0.1	3,346	0.1	1,857	0.1	448,472	18.2
1975	5,772	0.3	774	*	4,362	0.2	2,133	0.1	454,913	24.5
1976	4,681	0.3	1,126	0.1	7,306	0.4	2,422	0.1	478,758	28.2
1977	4,368	0.3	1,224	0.1	5,658	0.3	3,675	0.2	483,311	29.1

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; Price Trends in North Dakota, 1950-1970; and North Dakota State University, Department of Agricultural Economics.

[1] Includes wholesale and retail milk and milkfat in cream.

[2] Included in miscellaneous prior to 1974.

[3] Includes horses, other poultry, turkey eggs, and etc.

* Less than .05%.

TABLE 8.09

NORTH DAKOTA CASH RECEIPTS FROM GOVERNMENT PAYMENTS, SELECTED YEARS, 1935-1977
(Thousands of Dollars)

Year	Conservation[1]	Sugar Act	Wool Act[2]	Soil Bank	Great Plains Conservation	Feed Grain Program	Wheat Program[3]	Cropland Adjustment	Misc.[4]	Total
1935	$------	$ 340	$-----	$------	$---	$------	$ 13,752	$-------	$ 2,763	$ 16,855
1940	18,533	243	-----	------	---	------	-------	-------	7,138	25,914
1945	3,094	416	-----	------	---	------	-------	-------	5,236	8,746
1950	5,264	663	-----	------	---	------	-------	-------	------	5,927
1955	3,190	1,022	-----	------	---	------	-------	-------	------	4,212
1960	5,131	1,089	1,215	30,646	484	------	-------	-------	------	38,565
1961	7,759	1,314	1,273	25,453	530	5,457	2,550	-------	------	44,336
1962	5,366	1,410	1,234	24,623	496	13,285	26,470	-------	------	72,884
1963	4,694	1,414	838	24,443	627	16,433	31,918	-------	------	80,367
1964	4,113	1,634	504	18,905	624	24,487	57,410	-------	------	107,677
1965	3,758	1,368	427	16,039	552	28,639	65,534	-------	------	116,317
1966	3,876	1,729	677	14,072	619	23,553	90,838	2,093	------	137,457
1967	4,944	1,885	479	12,024	626	8,609	99,819	2,464	------	130,850
1968	5,154	2,350	989	10,848	882	12,453	105,235	2,332	------	140,243
1969	4,891	2,427	901	5,658	658	33,133	113,014	2,284	------	162,966
1970	4,345	3,153	855	267	683	32,891	122,731	2,314	------	167,239
1971	4,210	2,350	1,245	9	713	9,956	119,976	2,058	------	140,517
1972	5,763	2,761	2,048	------	773	53,587	141,244	1,929	17	208,122

TABLE 8.09--*Continued*

Year	Conservation[1]	Sugar Act	Wool Act[2]	Soil Bank	Great Plains Conservation	Feed Grain Program	Wheat Program[3]	Cropland Adjustment	Misc.[4]	Total
1973	$ 316	$2,073	$1,220	$------	$ 815	$34,508	$ 78,702	$ 1,273	$ 524	$119,431
1974	3,678	3,264	-----	------	630	7,026	14,627	1,154	589	30,968
1975	4,273	3,222	-----	------	748	5,200	9,430	943	1,067	24,883
1976	4,835	(1)	-----	------	763	5,616	9,313	397	1,821	22,744
1977	5,279	1,218	-----	------	768	5,293	101,618	0	8,427[5]	122,603

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; North Dakota Department of Agricultural Economics; Fred Taylor, Statistics of North Dakota Agriculture (revised 1972); and data from pending revision of same.

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[1] Includes amounts paid under separate programs not listed separately.

[2] Included in miscellaneous for 1974-77. See note 4 below.

[3] Data for 1935-1977 represent the Wheat-Rye Program.

[4] Miscellaneous includes the following for years specified: Corn-Hog Program, 1935-1937; Parity and Price Adjustment, 1939-1944; Dairy Production Payments, 1943-1946; Sheep and Lamb Production and Beef Programs, 1945-1946; Wool Act, 1974-1977; Milk Indemnity Program, Beekeepers Indemnity Program, Emergency Feed Program, and other miscellaneous programs, 1972-1977; and Water Bank Program and Drought and Flood Conservation Program, 1976-1977. Also see note 5 below.

[5] The Water Bank Program and Drought and Flood Conservation Program contribute $1,769 and $5,251 of the miscellaneous category.

TABLE 8.10

NORTH DAKOTA FARM INCOME FROM FARM MARKETINGS, GOVERNMENT PAYMENTS, AND VALUE OF HOME CONSUMPTION, SELECTED YEARS, 1925-1977 (Thousands of Dollars)

Year	Cash Farm Income From				Value of Home Consumption		
	Livestock and Livestock Products	Crops	Government Payments	Total Cash Income	Livestock and Livestock Products	Crops	Total Value of Products Consumed in Households
1925	$ 71,280	$ 207,130	$-------	$ 278,410	$18,668	$2,123	$20,791
1930	63,215	85,592	-------	148,807	16,536	3,071	19,607
1935	38,558	37,455	16,855	92,868	12,409	2,032	14,441
1940	57,179	70,292	25,914	153,385	10,139	2,559	12,698
1945	152,461	320,349	8,746	481,556	18,883	4,940	23,823
1950	168,174	336,157	5,927	510,258	17,646	2,307	19,953
1955	149,432	365,832	4,212	519,476	13,570	3,583	17,153
1960	175,339	352,296	38,565	566,200	11,276	3,100	14,376
1965	247,587	437,795	116,317	801,699	9,188	1,958	11,146
1970	272,561	503,864	167,239	943,664	10,867	1,595	12,462
1971	304,960	532,487	140,517	977,964	11,356	1,391	12,747
1972	366,730	766,914	208,122	1,341,766	11,800	2,288	14,088
1973	477,173	1,676,283	119,431	2,272,887	16,348	3,081	19,429
1974	448,472	1,978,025	30,968	2,457,465	17,035	4,885	21,920
1975	454,913	1,376,410	24,883	1,856,206	12,289	2,412	14,701
1976	478,758	1,197,321	22,744	1,698,823	12,629	2,573	15,202
1977	483,311	1,055,999	122,603	1,661,913	13,358	2,395	15,753

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; Statistics of North Dakota Agriculture (revised 1972); data from pending revision provided by North Dakota State University, Department of Agricultural Economics.

TABLE 8.11

CASH RECEIPTS FROM FARMING AND VALUE OF HOME CONSUMPTION: UNITED STATES, NORTH DAKOTA, AND OTHER NORTH CENTRAL STATES, 1977 (Thousands of Dollars)

	Cash Receipts From Farming					Value of Home Consumption			
	Farm Marketings								
	Livestock and Livestock Products	Crops	Total	Government Payments	Total	Livestock and Livestock Products	Crops	Total	Cash Receipts From Farming and Value of Home Consumption
U.S.	$47,565,093	$48,518,941	$96,084,034	$1,818,879	$97,902,913	$941,614	$382,798	$1,324,412	$99,227,325
N.D.	483,311	1,055,999	1,539,310	122,603	1,661,913	13,358	2,395	15,753	1,677,666
S.D.	1,117,067	493,140	1,610,207	94,858	1,705,065	15,363	1,933	17,296	1,722,361
Neb.	2,256,296	1,723,374	3,979,670	92,939	4,072,609	16,342	3,820	20,162	4,092,771
Mont.	513,788	443,364	957,152	61,443	1,018,595	10,467	1,928	12,395	1,030,990
Wyo.	379,795	72,368	452,163	10,526	462,689	4,980	385	5,365	468,054
Minn.	2,238.799	2,083,735	4,322,534	82,848	4,405,382	43,436	15,290	58,726	4,464,108
Ill.	1,872,553	3,919,833	5,792,386	32,082	5,824,468	24,107	8,002	32,109	5,856,577
Ind.	1,265,875	1,973,597	3,239,472	21,821	3,261,293	21,644	10,917	32,561	3,293,854
Iowa	4,300,029	2,764,855	7,064,884	28,901	7,093,785	73,086	10,793	83,879	7,177,664
Kans.	2,224,033	1,624,850	3,848,883	236,689	4,085,572	16,024	4,360	20,384	4,105,956
Mich.	840,643	983,013	1,823,656	21,195	1,844,851	19,528	10,326	29,854	1,874,705
Mo.	1,677,071	1,193,166	2,870,237	51,183	2,921,420	49,279	18,041	67,320	2,988,740
Ohio	1,156,710	1,636,905	2,793,615	33,102	2,826,717	25,234	11,139	36,373	2,863,090
Wis.	2,555,902	595,940	3,151,842	26,338	3,178,180	40,775	21,404	62,179	3,240,359

SOURCE: U.S. Dept. of Agriculture, *Agricultural Statistics, 1978*.

TABLE 8.12

REALIZED GROSS INCOME AND NET INCOME FROM FARMING, NORTH DAKOTA, SELECTED YEARS, 1950-1977 (Millions of Dollars)

	1950	1955	1960	1965	1970	1971
Cash Receipts From Farm Marketings	$ 504.4	$ 515.3	$ 515.6	$ 686.3	$ 776.9	$ 837.4
Government Payments	5.9	4.2	38.6	116.3	167.2	140.5
Nonmoney Income	31.9	28.6	29.1	42.8	55.7	58.5
Other Farm Income	0.4	2.0	3.0	5.4	9.2	10.8
TOTAL REALIZED GROSS FARM INCOME	542.7	550.1	586.3	850.8	1,008.9	1,047.2
Farm Production Expenses	342.9	396.1	446.4	586.8	703.8	776.1
Realized Net Farm Income*	199.8	154.0	139.9	264.0	305.1	271.2
Net Change in Farm Inventories	62.2	58.3	65.7	45.7	-60.3	89.4
TOTAL NET FARM INCOME	262.0	212.3	205.6	309.7	244.8	360.6

	1972	1973	1974	1975	1976	1977
Cash Receipts From Farm Marketings	$1,133.6	$2,153.5	$2,426.5	$1,831.3	$1,676.1	$1,539.3
Government Payments	208.1	119.4	31.0	24.9	22.7	122.6
Nonmoney Income	61.0	70.5	88.3	101.0	115.2	129.7
Other Farm Income	11.2	13.7	16.8	21.0	23.0	26.4
TOTAL REALIZED GROSS FARM INCOME	1,414.0	2,357.2	2,562.6	1,978.2	1,837.1	1,818.0
Farm Production Expenses	819.8	1,138.8	1,306.6	1,502.0	1,547.4	1,570.4
Realized Net Farm Income*	594.1	1,218.4	1,255.9	476.1	289.7	247.5
Net Change in Farm Inventories	5.4	280.7	-225.0	244.9	47.0	-125.2
TOTAL NET FARM INCOME	599.5	1,499.0	1,030.9	721.0	336.7	122.4

SOURCE: U.S. Dept. of Agriculture, Economic Research Service, *Farm Income Situtation*; and North Dakota State University, Department of Agricultural Economics.

* Of farm Operators.

Note: Details may not add to totals due to rounding.

TABLE 8.13

REALIZED GROSS INCOME PER FARM:* THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1977

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Iowa	Wis.
1950	$5,718	$8,222	$8,169	$10,328	$9,931	$7,133	$11,167	$6,106
1955	7,147	8,944	8,960	11,593	10,683	8,182	11,834	7,091
1960	9,715	10,469	11,301	14,124	13,693	10,277	14,457	9,170
1965	13,559	17,189	17,011	17,962	19,666	13,498	21,908	11,562
1970	19,861	22,174	24,808	27,995	33,173	20,801	31,717	16,398
1971	20,883	23,272	25,688	28,875	33,979	21,182	30,859	17,270
1972	24,517	32,136	31,874	38,732	44,479	24,216	37,601	19,512
1973	33,831	54,188	44,897	50,225	60,486	37,101	53,691	23,862
1974	35,761	59,594	48,617	51,242	60,600	40,450	56,682	26,102
1975	35,034	46,545	43,360	46,075	59,428	35,895	51,063	28,592
1976	38,016	43,740	45,427	48,905	58,933	37,356	57,289	32,851
1977	39,948	43,806	42,297	49,129	63,067	42,399	59,027	35,568

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Income Situtation, various years.

* Excludes changes in inventories and represents income of farm operators.

TABLE 8.14

REALIZED NET INCOME PER FARM:* THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1977

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Iowa	Wis.
1950	$2,273	$3,027	$2,980	$4,226	$3,431	$2,781	$4,431	$2,343
1955	2,383	2,503	2,742	4,244	3,351	2,542	3,737	2,121
1960	2,806	2,498	2,934	4,640	3,045	2,606	3,837	2,976
1965	3,533	5,333	5,046	4,651	3,858	3,930	6,345	3,961
1970	4,797	6,705	7,090	7,962	7,232	6,578	8,016	5,199
1971	4,561	6,027	6,248	7,071	5,659	5,902	5,741	5,187
1972	6,226	13,503	10,799	13,993	8,977	7,816	8,119	6,729
1973	10,607	28,008	16,771	18,556	13,329	15,780	16,908	8,697
1974	9,925	29,207	17,765	16,030	16,185	15,694	16,764	6,643
1975	7,617	11,203	11,276	10,258	12,662	8,413	7,732	7,076
1976	7,712	6,897	13,181	9,959	5,652	7,844	6,953	9,045
1977	7,439	5,964	5,257	6,797	5,301	9,563	5,769	8,780

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Income Situation, various years.

* Excludes changes in inventories and represents income of farm operators.

TABLE 8.17

ANNUAL AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMERS FOR SELECTED LIVESTOCK AND LIVESTOCK PRODUCTS, SELECTED YEARS, 1925-1978

Year	Beef Cattle	Calves	Hogs*	Sheep	Lambs	Milk Cows*	Live Turkeys*
	(Dollars per Hundred Pounds Liveweight)					$/head	$/pound
1925	$ 5.10	$ 7.60	$ 9.70	$ 7.20	$11.80	$ 50.00	$.266
1930	6.10	9.10	7.90	3.65	6.50	59.00	.188
1935	5.30	6.30	7.60	3.40	7.40	43.00	.206
1940	6.80	8.00	4.70	3.20	7.50	59.00	.148
1945	10.10	12.30	13.40	6.20	12.50	103.00	.320
1950	22.00	25.20	17.00	11.50	25.10	207.00	.343
1955	13.60	16.10	13.30	4.80	16.90	156.00	.299
1960	19.40	23.60	14.60	4.80	16.60	212.00	.238
1965	18.80	22.90	19.30	5.30	21.50	188.00	.211
1970	26.40	35.00	21.80	6.20	25.90	306.00	.215
1971	27.90	37.80	17.00	5.10	24.20	314.00	.205
1972	33.50	46.70	24.20	4.80	27.10	362.00	.218
1973	43.90	60.10	37.40	9.80	32.40	461.00	.400
1974	33.70	37.30	33.50	8.30	33.20	438.00	.300
1975	30.20	29.40	43.70	7.20	39.30	328.00	.360
1976	33.20	37.30	42.00	9.60	41.60	375.00	.292
1977	34.20	40.00	38.10	10.30	49.50	397.00	.350
1978	48.40	60.10	45.30	15.50	61.60	570.00	NA

Year	Live Chickens*	Eggs*	Milkfat in Cream	Milk Wholesale	Honey	Beeswax
	$/pound	$/dozen	$/pound	$/cwt.	$/pound	$/pound
1925	$.146	$.256	$.390	$2.40	$----	$----
1930	.131	.183	.320	2.15	----	----
1935	.127	.201	.260	1.95	----	----
1940	.098	.129	.270	1.85	----	----
1945	.219	.304	.500	2.70	.192	.430
1950	.193	.274	.620	3.59	.122	.430
1955	.142	.285	.600	3.79	.145	.510
1960	.079	.244	.620	3.55	.154	.450
1965	.049	.249	.640	3.31	.140	.460
1970	.055	.293	.740	4.85	.162	.620
1971	.050	.221	.720	4.95	.214	.640
1972	.045	.217	.680	5.15	.281	.620
1973	.066	.359	.660	6.30	.440	.830
1974	.072	.373	.620	7.20	.490	1.250
1975	.100	.358	.710	7.55	.463	1.080
1976	.100	.380	.840	8.55	.492	1.150
1977	.040	.370	.840	8.60	.490	1.630
1978	.036	.340	NA	NA	.471	1.810

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; Price Trends in North Dakota, 1950-1970; and North Dakota State University, Department of Agricultural Economics.

* As of 1968 marketing year is December through November.

TABLE 8.15

SEASONAL AVERAGE PRICES FOR NORTH DAKOTA'S PRINCIPAL CROPS, SELECTED YEARS, 1925-1978

Year	Grain Corn	Durum Wheat	Spg. Wheat Other than Durum	Winter Wheat	All Wheat	Oats	Barley
	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.
1925	$ .58	$ NA	$ NA	$ NA	$1.35	$ .29	$ .48
1930	.50	.54	.63	NA	.60	.23	.29
1935	.49	.76	.81	NA	.79	.18	.25
1940	.43	.64	.68	NA	.67	.21	.29
1945	1.08	1.57	1.52	NA	1.53	.56	1.02
1950	1.35	2.08	2.05	NA	2.06	.66	1.19
1955	1.23	2.49	2.07	NA	2.12	.47	.86
1960	.89	1.94	1.79	NA	1.82	.44	.71
1965	1.00	1.28	1.45	1.32	1.39	.50	.97
1970	1.14	1.38	1.48	1.28	1.45	.51	.84
1971	1.00	1.31	1.30	1.15	1.30	.47	.78
1972	1.37	1.94	1.88	1.72	1.90	.61	1.04
1973	2.33	6.17	4.28	4.18	4.82	1.10	2.09
1974	3.07	5.97	4.45	4.00	4.95	1.41	3.10
1975	2.52	4.65	4.05	3.48	4.28	1.32	2.55
1976	2.19	2.47	2.67	2.28	2.60	1.37	2.24
1977	1.97	2.66	2.40	2.34	2.47	.94	1.54
1978[1]	2.00	2.85	2.75	2.55	2.78	.99	1.75

TABLE 8.15--*Continued*

Year	Rye	Flaxseed	Potatoes	Sugar Beets[2]	Soybeans	Sunflowers[3]	All Hay Baled[4]
	$/bu.	$/bu.	$/cwt.	$/ton	$/bu.	$/cwt.	$/ton
1925	$ .67	$2.26	$2.37	$ 5.52	$ NA	$ NA	$ 8.10
1930	.35	1.61	1.55	6.99	NA	NA	5.80
1935	.29	1.39	.63	5.98	NA	NA	4.15
1940	.32	1.32	.60	5.00	NA	NA	5.20
1945	1.54	2.84	1.78	9.70	2.10	NA	10.10
1950	1.23	3.26	1.34	11.00	2.48	4.50	14.50
1955	1.06	2.88	1.94	11.30	2.11	NA	12.30
1960	.75	2.55	1.33	11.30	2.16	NA	14.30
1965	.87	2.77	1.40	11.30	2.47	5.00	14.90
1970	.86	2.36	1.67	14.60	2.72	5.10	15.50
1971	.76	2.32	1.23	15.40	2.87	5.05	16.50
1972	.81	3.13	2.75	16.40	4.25	4.93	18.00
1973	2.08	7.62	4.60	25.80	5.50	8.48	32.00
1974	2.53	9.60	3.15	38.70	6.00	15.51	41.50
1975	2.34	6.51	4.20	28.50	4.99	10.80	36.00
1976	2.40	7.18	3.45	19.70	7.30	11.10	45.50
1977	1.80	4.64	2.70	21.40	5.83	10.20	44.00
1978[1]	1.80	5.24	2.70	NA	5.90	NA	35.00

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; Price Trends in North Dakota, 1950-1970; and additional data supplied by North Dakota State University, Department of Agricultural Economics.

[1] Preliminary prices.

[2] Excluding government payments.

[3] Not estimated from 1952 to 1961.

[4] Loose hay prior to 1939.

TABLE 8.16

CALENDAR YEAR AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMERS FOR PRINCIPAL CROPS, SELECTED YEARS, 1925-1978[1]

Year	Grain Corn	Durum Wheat	Other Spring	Winter Wheat	All Wheat	Oats	Barley	Rye	Flax-Seed	Potatoes	Soy-Beans	All Hay
	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/cwt.	$/bu.	$/ton
1925	$ .75	$ NA	$ NA	$ NA	$1.36	$ .33	$ .60	$ .91	$2.44	$1.46	$ NA	$ 7.79
1930	.65	.66	.78	NA	.73	.26	.34	.43	2.12	1.99	NA	6.00
1935	.75	.86	.87	NA	.87	.33	.43	.38	1.48	.83	NA	7.88
1940	.43	.64	.69	NA	.67	.23	.30	.34	1.53	.79	NA	5.19
1945	.90	1.51	1.47	NA	1.48	.56	1.01	1.24	2.85	2.11	2.13	9.63
1950	1.17	2.03	2.02	NA	2.02	.62	1.14	1.13	2.29	1.65	2.29	14.95
1955	1.11	2.78	2.14	NA	2.20	.49	.92	.83	2.14	1.61	2.15	12.10
1960	.89	2.02	1.86	NA	1.89	.49	.75	.78	2.71	1.70	1.84	17.49
1965	1.05	1.30	1.46	NA	1.41	.51	.94	.84	2.80	3.28	2.48	17.42
1970	1.08	1.37	1.50	1.26	1.45	.50	.80	.81	2.48	1.78	2.45	15.46
1971	1.14	1.33	1.38	1.19	1.37	.49	.83	.74	2.30	1.23	2.79	15.88
1972	1.08	1.55	1.53	1.28	1.53	.54	.86	.74	2.57	1.50	3.09	17.87
1973	1.72	3.93	2.98	2.87	3.27	.82	1.51	1.41	5.89	3.26	6.38	24.21
1974	2.78	6.33	4.68	4.41	5.19	1.33	2.72	2.52	9.76	4.80	6.23	38.71
1975	2.70	5.18	4.05	3.48	4.44	1.35	2.82	2.27	6.92	3.06	5.15	40.04
1976	2.52	3.31	3.45	2.95	3.40	1.32	2.34	2.33	6.52	2.80	5.38	39.33
1977	(3)	2.45	2.40	2.09	2.43	1.15	1.77	(3)	5.86	2.53	6.69	45.96
1978[2]	(3)	2.86	2.65	2.48	2.74	1.02	1.76	(3)	4.86	2.63	5.95	40.83

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; and calculations from mid-month average prices provided by North Dakota State University, Department of Agricultural Economics.

[1] Based on monthly open market prices not allowing for unredeemed loans.

[2] Preliminary.

[3] Not estimated.

TABLE 8.18

NORTH DAKOTA FARM PRODUCTION EXPENSES, SELECTED YEARS, 1950-1977

(Millions of Dollars)

Year	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Current Farm Operating Expenses:												
Feed	$ 14.3	$ 17.4	$ 22.0	$ 25.3	$ 33.2	$ 34.6	$ 37.1	$ 62.8	$ 64.0	$ 51.7	$ 58.8	$ 54.3
Livestock	4.0	4.8	5.0	13.4	10.2	11.4	13.9	20.4	8.8	11.4	13.4	19.4
Seed[1]	10.9	12.9	12.0	17.8	22.1	25.7	23.0	34.8	63.2	64.1	65.4	73.6
Fertilizer and Lime	1.1	6.1	13.7	18.6	31.7	30.5	31.0	55.6	99.0	121.0	126.1	130.3
Repairs and Operation of Capital Items[2]	89.0	102.4	102.9	102.4	114.6	120.3	116.1	136.7	184.9	225.5	248.2	259.2
Miscellaneous[3]	31.6	40.8	53.2	81.6	109.4	124.3	131.7	156.7	176.3	225.3	251.4	267.1
Hired Labor[4]	36.6	27.0	33.1	39.2	40.4	44.6	44.3	49.2	60.2	56.4	69.5	62.5
TOTAL CURRENT FARM OPERATING EXPENSES	187.6	211.4	242.0	298.2	361.6	391.2	397.2	516.2	656.4	755.3	832.8	866.4
Depreciation & Other Consumption of Farm Capital[5]	67.9	94.4	105.1	134.4	165.5	189.2						
Taxes on Farm Property	21.0	26.7	34.7	43.8	47.6	49.4						
Interest on Farm Mortgage Debt	3.0	4.6	7.9	16.8	29.6	32.2						
Net Rent to Nonfarm Landlords	63.3	58.9	56.6	93.6	99.6	114.0						
TOTAL PRODUCTION EXPENSES	342.9	396.1	446.4	586.8	703.8	776.1						

TABLE 8.18--*Continued*

Year	1972	1973	1974	1975	1976	1977
Depreciation & Other Consumption of Farm Capital[5]	$ 185.2	$ 235.9	$ 294.1	$ 381.8	$ 397.4	$ 386.9
Taxes on Farm Property	51.2	51.5	51.3	58.5	61.4	64.8
Interest on Farm Mortgage Debt	35.8	40.7	47.4	52.3	60.1	68.9
Net Rent to Nonfarm Landlords	150.4	294.5	257.7	254.1	195.8	183.4
TOTAL PRODUCTION EXPENSES	819.8	1,138.8	1,306.6	1,502.0	1,547.4	1,570.4

SOURCE: U.S. Dept. of Agriculture, Economic Research Service, Farm Income Situtation; and North Dakota State University, Department of Agricultural Economics.

[1] Includes bulbs, plants and trees.

[2] Repairs and maintenance of buildings, repairs and operation of motor vehicles and other machinery, and petroleum fuel and oil used in the farm business.

[3] Includes binding, cotton ginning, Federal crop insurance, containers, dairy supplies, electricity, greenhouse and nursery, grazing fees, harness and saddlery, net insurance premiums (fire, wind and crop hail), irrigation, livestock marketing service (excl. feed and transportation), milk hauling, miscellaneous hardware (incl. blacksmithing), machine hire and custom work, miscellaneous livestock and poultry supplies, pesticides, small hand tools, short term interest, telephones (business share), vet. services and medicines (plus insem.) and other miscellaneous.

[4] Includes cash wages, perquisites, and (1951 to date) Social Security taxes paid by employers.

[5] Includes depreciation and accidental damage to farm buildings and depreciation of motor vehicles and other farm machinery and equipment.

TABLE 8.19

NON-REAL ESTATE LOANS TO NORTH DAKOTA FARMERS, AMOUNT OUTSTANDING JANUARY 1, BY SELECTED LENDING AGENCIES, 1955-1978[1]

(Thousands of Dollars)

Year	Lending Agency				
	All Operating Banks[2]	Production Credit Assoc.	Federal Intermediate Credit Banks[3]	Farmers Home Administration	Total
1955	$ 42,342	$ 5,774	$ 1,022	$ 13,125	$ 62,263
1956	47,806	7,026	1,147	13,052	69,031
1957	47,904	7,298	942	14,812	70,956
1958	50,428	8,720	617	15,007	74,772
1959	54,696	11,842	675	13,457	80,670
1960	66,797	18,768	827	13,140	99,532
1961	79,845	25,621	1,080	15,250	121,796
1962	83,468	30,019	1,304	28,273	143,064
1963	94,339	33,808	1,522	25,839	155,508
1964	110,670	43,607	1,837	25,193	181,307
1965	130,672	47,686	1,805	28,538	208,701
1966	140,974	50,604	1,920	31,012	224,510
1967	167,803	65,557	2,481	30,925	266,766
1968	178,451	76,536	2,695	30,378	288,060
1969	186,602	85,700	3,227	28,827	304,356
1970	204,117	100,499	4,108	27,230	335,954
1971	226,513	116,810	5,449	30,916	379,688
1972	244,712	129,894	6,839	31,983	413,428
1973	266,201	135,929	6,404	35,789	444,323
1974	339,292	159,986	7,832	37,570	544,680
1975	411,514	195,100	10,356	37,476	654,446
1976	523,386	245,300	12,182	55,604	836,472
1977	586,652	294,268	11,215	66,032	958,167
1978	576,374	304,584	10,236	150,413	1,041,607

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; North Dakota State University, Department of Agricultural Economics; and Statistics of North Dakota Agriculture, 1972 revised.

[1] Excludes loans held or guaranteed by Commodity Credit Corporation.

[2] Loans are classified according to location of banks and, therefore, are not strictly comparable with data for other lenders, which are classified according to location of borrower.

[3] Loans to and discounts for livestock loan companies and agricultural credit corporations.

TABLE 8.20

ANNUAL AVERAGE FARM EMPLOYMENT IN NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1935-1978
(In Thousands)

Year	North Dakota			United States*		
	Total Workers	Family Workers	Hired Workers	Total Workers	Family Workers	Hired Workers
1935	147	129	13	12,733	9,855	2,878
1940	124	110	14	10,979	8,300	2,679
1945	106	100	6	10,000	7,881	2,119
1950	128	99	29	9,926	7,597	2,329
1955	110	88	22	8,381	6,345	2,036
1960	92	71	21	7,057	5,172	1,885
1965	75	60	15	5,610	4,128	1,482
1970	58	48	10	4,523	3,348	1,175
1971	58	47	11	4,436	3,275	1,161
1972	59	49	10	4,373	3,228	1,146
1973	58	48	10	4,337	3,169	1,168
1974	64	54	10	4,389	3,075	1,314
1975	57	48	9	4,342	3,026	1,316
1976	59	49	10	4,374	2,997	1,377
1977	64	56	8	4,152	2,856	1,296
1978	65	56	9	NA	NA	NA

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Agriculture, various years; U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; North Dakota State University, Department of Agricultural Economics; and Agricultural Statistics, various years.
* Excludes Alaska and Hawaii.

TABLE 8.21

NORTH DAKOTA AGRICULTURAL EXPORTS BY PRODUCT TYPE, SELECTED YEARS, 1964-1977

Product	Export Value in Millions of Dollars				Percent Increase FY 1972 to FY 1977
	FY 1964	FY 1968	FY 1972	FY 1977	
TOTAL	$194	$166	$250	$624	122%
Wheat and flour	149	128	185	402	117
Feed grains	17	10	15	45	205
Hides and skins	(1)	1	4	12	239
Lard and tallow	1	1	4	11	173
Vegetables and preparations	1	1	2	8	394
Meats and products	(1)	(1)	3	8	193
Protein meal	(2)	(2)	5	8	57
Soybeans	2	3	4	6	80
Dairy products	1	1	1	2	38
Soybean oil	(2)	(2)	1	1	20
Poultry products	(1)	(1)	(1)	(1)	50
Flaxseed	6	7	3	(2)	--
Sunflower seed	(2)	(2)	(2)	70	--
Other products	16	14	25	50	105

[1] Less than $500,000.

[2] Not available.

-- Not applicable.

TABLE 8.23

FARM REAL ESTATE: AVERAGE VALUE PER ACRE, VALUE OF BUILDINGS AND TOTAL VALUE, NORTH DAKOTA, SELECTED YEARS, 1920-1979

Year	Average Value Per Acre	Value of Buildings (Millions)	Total Value (Millions)
1920	$ 41	$ 209	$ 1,489
1925	30	206	1,020
1930	25	231	951
1935	17	172	669
1940	13	140	490
1945	19	225	787
1950	29	275	1,189
1955	36	348	1,514
1960	53	477	2,221
1965	67	500	2,873
1966	73	535	3,113
1967	78	567	3,354
1968	84	596	3,593
1969	91	639	3,920
1970	94	651	4,045
1971	95	627	3,971
1972	98	639	4,096
1973	108	695	5,414
1974	144	913	6,005
1975	195	1,220	8,132
1976	228	1,417	9,508
1977	258	1,592	10,759
1978	273	1,673	11,384
1979	306	NA	NA

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Crop and Livestock Statistics, various years; North Dakota State University, Dept. of Agricultural Economics; and U.S. Dept. of Commerce, Bureau of the Census, Historical Statistics of the United States, Colonial Times to 1970.

TABLE 8.22

EXPORTS OF AGRICULTURAL PRODUCTS BY STATE, SELECTED YEARS, 1964-1977

State	Rank as Exporter FY 1977	Export Value in Millions of Dollars				Percent Change FY 1972 to FY 1977	Exports as Percent of Farm Sales[1] FY 1977
		FY 1964	FY 1968	FY 1972	FY 1977		
U.S. TOTAL	--	$6,076[2]	$6,315[2]	$8,050	$24,013	198%	25.5%
Illinois	1	504	585	758	2,539	235	44.6
Iowa	2	331	392	620	2,042	230	28.9
California	3	421	413	592	1,774	200	19.2
Texas	4	484	551	456	1,761	286	26.9
Indiana	5	251	252	384	1,319	243	40.8
Kansas	6	337	296	365	998	174	26.8
Nebraska	7	205	230	283	988	249	26.8
North Carolina	8	321	366	420	964	129	35.8
Ohio	9	201	194	262	957	265	34.1
Minnesota	10	222	226	347	918	164	23.7
Arkansas	11	207	255	352	907	158	37.7
Missouri	12	193	174	317	766	142	28.5
Mississippi	13	157	164	230	648	182	38.4
NORTH DAKOTA	14	194	166	250	624	122	34.5
Louisiana	15	100	155	191	543	184	41.6
Georgia	16	114	132	173	476	175	21.9
Kentucky	17	65	69	132	473	258	27.4

TABLE 8.22--*Continued*

State	Rank as Exporter FY 1977	Export Value in Millions of Dollars				Percent Change FY 1972 to FY 1977	Exports as Percent of Farm Sales[1] FY 1977
		FY 1964	FY 1968	FY 1972	FY 1977		
Washington	18	$ 147	$ 152	$ 163	$ 414	154%	23.0%
Oklahoma	19	133	115	108	410	281	21.1
Florida	20	96	101	148	390	164	15.3
Tennessee	21	102	102	143	390	172	28.7
Alabama	22	70	56	102	332	225	22.4
Montana	23	128	107	101	322	218	33.4
Michigan	24	116	92	107	318	198	18.3
South Carolina	25	94	107	135	312	132	38.4
Arizona	26	65	61	70	285	307	23.7
Wisconsin	27	78	59	104	263	153	8.7
Idaho	28	73	66	91	262	187	22.0
Colorado	29	54	63	98	239	144	11.9
Virginia	30	68	80	92	225	145	22.4
South Dakota	31	77	95	124	210	69	13.5
Oregon	32	69	49	65	182	182	17.5
Pennsylvania	33	71	65	42	137	225	7.3
Maryland	34	34	35	41	136	231	20.1
New York	35	78	63	44	109	150	6.4
New Mexico	36	25	24	28	82	195	11.1
Hawaii	37	(3)	16	17	59	241	18.0
Utah	38	18	14	19	55	186	15.5

TABLE 8.22--*Continued*

State	Rank as Exporter FY 1977	Export Value in Millions of Dollars FY 1964	FY 1968	FY 1972	FY 1977	Percent Change FY 1972 to FY 1977	Exports as Percent of Farm Sales[1] FY 1977
Delaware	39	$ 13	$ 15	$ 14	$ 53	280%	19.5%
Alaska	40	(4)	(4)	(4)	38	--	--
New Jersey	41	21	19	11	38	235	10.6
Wyoming	42	8	8	16	38	139	8.5
Maine	43	10	6	5	28	502	6.5
Connecticut	44	5	8	12	22	72	9.2
Massachusetts	45	4	5	6	12	87	5.4
West Virginia	46	5	6	4	11	166	7.5
Nevada	47	1	2	4	10	129	7.0
Vermont	48	2	2	4	3	-18	1.2
New Hampshire	49	1	1	1	2	171	2.4
Rhode Island	50	(3)	(3)	(3)	1	800	3.4

SOURCE: U.S. Dept. of Commerce, State Export Services, North Dakota Exports, 1978.

[1] Commercial sales plus net Commodity Credit Corporation loans and purchases under price support programs.

[2] Includes exports that were not apportioned among states.

[3] Less than $500,000.

[4] Not available.

-- Not applicable.

TABLE 8.24

INDEX NUMBERS OF AVERAGE VALUE OF LAND AND BUILDINGS PER ACRE: UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1979

	Year (1967 = 100)					
	1950	1960	1970	1971	1972	1973
United States*	40	68	117	122	132	150
NORTH DAKOTA	40	69	120	122	127	142
South Dakota	49	74	112	114	118	130
Montana	35	71	124	131	142	159
Wyoming	37	62	116	119	134	153
Nebraska	46	69	115	117	127	145
Minnesota	47	80	118	121	127	144

	Year (1967 = 100)					
	1974	1975	1976	1977	1978	1979
United States*	187	213	242	283	308	352
NORTH DAKOTA	193	265	310	349	369	414
South Dakota	172	214	241	287	336	384
Montana	203	237	278	321	355	396
Wyoming	191	218	254	273	285	322
Nebraska	183	215	271	307	275	336
Minnesota	186	242	294	369	413	482

SOURCE: U.S. Bureau of the Census, Statistical Abstract of the United States, various years; and U.S. Dept. of Agriculture, Economic Research Service, Farm Real Estate Market Developments.

* Excludes Alaska and Hawaii, and for 1973, Florida.

TABLE 8.27

TAXES LEVIED ON FARM REAL ESTATE, NORTH DAKOTA, SELECTED YEARS, 1925-1976

Year	Total Taxes (Million Dollars)	Amount Per Acre (Dollars)	Amount Per $100 Full Value (Dollars)
1925	$12.8	$ .37	$1.30
1930	14.5	.38	1.70
1935	8.9	.23	1.31
1940	8.4	.22	1.70
1945	9.5	.25	1.12
1950	17.0	.43	1.45
1955	20.1	.50	1.35
1956	18.3	.46	1.32
1957	19.9	.50	1.31
1958	19.9	.50	1.21
1959	24.2	.61	1.16
1960	25.7	.65	1.18
1961	27.4	.69	1.22
1962	29.1	.73	1.24
1963	30.1	.75	1.21
1964	31.6	.78	1.19
1965	34.2	.84	1.19
1966	35.0	.87	1.14
1967	36.5	.90	1.11
1968	38.4	.95	1.09
1969	43.5	1.08	1.17
1970	47.6	1.18	1.21
1971	49.4	1.22	1.24
1972	51.2	1.27	1.23
1973	51.5	1.27	1.12
1974	51.3	1.32	.87
1975	58.5	1.50	.74
1976	61.4	1.58	.66

SOURCE: U.S. Dept. of Agriculture, Economic Research Service, Farm Real Estate Taxes; North Dakota State University, Department of Agricultural Economics and U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.28

TAXES LEVIED ON FARM REAL ESTATE, UNITED STATES AND NORTH CENTRAL STATES, 1975 AND 1976

	Taxes Levied on Farm Real Estate (Millions of Dollars)		Taxes Per Acre				Taxes Per $100 of Full Value	
			Amount		Index (1967 = 100)			
	1975	1976	1975	1976	1975	1976	1975	1976
U.S.	$2,854.7	$3,098.4	$2.92	$3.17	166	180	$0.78	$0.74
N.D.	58.5	61.4	1.50	1.58	167	175	0.74	0.66
S.D.	63.3	64.3	1.65	1.67	178	181	1.04	0.94
Neb.	134.2	153.3	2.88	3.29	181	207	1.00	0.91
Mont.	42.2	43.2	0.82	0.84	158	162	0.69	0.61
Wyo.	11.4	12.2	0.45	0.48	140	149	0.47	0.43
Minn.	115.6	131.9	3.79	4.32	143	164	0.87	0.82
Ill.	270.9	294.4	9.34	10.15	168	183	1.09	0.95
Ind.	87.7	88.2	5.03	5.09	124	125	0.69	0.57
Iowa	218.3	258.1	6.40	7.57	154	183	0.88	0.83
Kans.	117.2	122.8	2.36	2.50	140	148	0.78	0.75
Mich.	105.2	121.3	8.51	9.90	252	293	1.51	1.61
Mo.	76.2	83.5	2.34	2.56	165	181	0.59	0.57
Ohio	100.3	111.8	5.79	6.49	176	197	0.81	0.75
Wis.	135.7	149.7	6.98	7.78	193	215	1.58	1.56

SOURCE: U.S. Dept. of Agriculture, Agricultural Statistics, 1978.

TABLE 8.29

ESTIMATED FARM TITLE TRANSFERS PER 1,000 OF ALL FARMS BY METHOD OF TRANSFER, NORTH DAKOTA, SELECTED YEARS, 1930-1978

Year[a]	Method of Transfer					
	Voluntary Sales	Forced Sales		Estate Settlement	All Other Sales[d]	Total All Classes
		Fore- closures[b]	Tax Sales[c]			
1930	26.5	30.1	12.2	---	13.6	82.4
1935	14.0	18.9	6.0	---	17.7	56.6
1940	26.3	33.1	16.3	---	12.6	88.3
1945	68.3	6.3	3.8	---	12.8	91.2
1950	36.4	1.1	(f)	---	(f)	47.2
1955	20.0	1.0	----	---	10.6	31.6
1960	24.0	1.5	.3	---	14.4	40.2
1961	20.1	.5	(f)	---	16.7	37.3
1962	18.4	1.4	.6	---	17.3	37.7
1963	23.5	.4	(f)	---	12.6	36.5
1964	20.8	.2	.8	---	11.0	32.8
1965	17.9	1.4	.3	---	12.2	31.8
1966	19.5	1.4	1.1	---	12.6	34.6
1967	22.9	.3	.3	---	11.2	34.7
1968	25.2	.6	(f)	---	11.2	37.0
1969	19.4	.9	.5	---	13.0	33.8
1970	21.1	.4	(f)	---	13.3	34.8
1971	17.6	1.2	----	6.3	7.8	32.9
1972	23.6	1.6	----	5.9	6.2	37.3
1973	26.3	.3	----	7.2	3.1	36.9
1974	24.0	.3	----	7.2	2.8	34.3
1975	20.8	(e)	----	5.0	4.7	30.5
1976	20.2	1.0	----	5.3	5.3	31.9
1977	15.1	1.4	----	6.6	8.2	31.3
1978	13.1	1.8	----	5.4	6.8	27.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; and North Dakota State University, Department of Agricultural Economics.

[a] Years ending March 1, 1930-1975 and February 1, 1976-1978.

[b] Includes loss of title by default of contract, sales to avoid foreclosure, surrender of title, and other transfers to avoid foreclosure.

[c] Included in "all other sales" after 1970.

[d] Includes sale resulting from inheritance and gifts and other unclassified and miscellaneous sales.

[e] Not available, included in "all other sales."

[f] None reported.

TABLE 8.25

FARMS AND CROPLAND RENTING FOR CASH: GROSS RENT PER ACRE AND RATIO OF GROSS RENT TO VALUE, NORTH DAKOTA, 1970-1977

Year	Farms		Cropland		Pasture	
	Gross Rent Per Acre	Ratio: Gross Rent to Value	Gross Rent Per Acre	Ratio: Gross Rent to Value	Gross Rent Per Acre	Ratio: Gross Rent to Value
	Dollars	(Percent)	Dollars	(Percent)	Dollars	(Percent)
1970	$ 8.49	9.0%	$11.20	9.3%	$----	---%
1971	8.51	8.9	10.90	9.2	3.80	6.2
1972	8.66	8.6	11.10	9.1	4.00	6.2
1973	9.70	8.8	11.50	8.6	4.70	6.6
1974	13.40	9.0	17.40	8.9	6.20	6.3
1975	15.10	7.5	20.30	8.1	7.10	5.7
1976	17.50	7.3	25.00	7.7	7.90	5.5
1977	17.60	6.7	25.70	7.2	8.60	5.1

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years; and North Dakota State University, Department of Agricultural Economics.

TABLE 8.26

FARM REAL ESTATE DEBT: AMOUNT OF OUTSTANDING LOANS REPORTED BY PRINCIPAL LENDERS, OTHER DEBT, AND TOTAL DEBT, NORTH DAKOTA, JANUARY 1, SELECTED YEARS, 1940-1978 (Thousands of Dollars)

Year	Federal Land Banks	Federal Farm* Mortgage Corp.	Farmers** Home Admin.	Life Insurance Companies	All Operating Banks	Individuals & Others	Total Farm Real Estate Debt
1940	$ 64,053	$29,755	$ 304	$ 6,572	$------	$ 40,546	$ 141,230
1945	35,776	11,151	2,344	11,865	727	29,598	91,461
1950	12,274	2,938	2,516	9,696	3,151	38,533	69,108
1955	19,601	946	4,508	11,231	6,325	54,494	97,105
1960	36,889		35,806	12,455	21,603	55,160	161,913
1961	44,099		38,278	13,289	22,598	58,234	176,498
1962	56,877		50,228	13,676	23,305	62,353	206,439
1963	64,888		56,017	15,340	26,585	67,945	230,775
1964	71,381		62,024	16,946	30,370	82,909	263,630
1965	84,615		68,050	20,137	34,332	100,142	307,276
1966	99,504		79,334	22,160	37,061	111,546	349,605
1967	113,777		88,151	25,520	39,377	118,146	384,971
1968	127,513		97,783	26,500	43,522	137,707	433,025
1969	139,305		108,971	26,900	47,399	163,468	486,043
1970	146,665		120,955	26,100	50,431	176,140	520,291
1971	154,187		129,495	24,400	53,670	182,975	544,727
1972	174,715		138,761	23,300	60,020	191,804	588,600
1973	192,854		153,845	22,900	59,496	216,087	645,182
1974	213,916		163,521	22,100	62,800	255,937	718,274
1975	247,316		169,325	20,700	59,785	252,880	750,006
1976	295,751		175,166	21,300	64,717	251,710	808,644
1977	381,916		179,959	23,700	71,589	261,753	918,917
1978	493,671		185,574	45,400	67,730	266,401	1,058,776

SOURCE: U.S. Dept. of Agriculture, Economics, Statistics and Cooperatives Service, Agricultural Finance Statistics and Farm Real Estate Market Developments data supplied by North Dakota State University, Department of Agricultural Economics.

* Starting in 1956, Federal Land Banks and Federal Farm Mortgage Corporated are combined.

** Starting in 1960, FHA includes both direct and insured loans. Before 1960, FHA insured loans were included in totals of all operating banks and individuals and others.

TABLE 8.30

PRODUCTION OF PRINCIPAL CROPS BY NORTH DAKOTA COUNTY, 1978[1]

County	Corn (Grain) (000 Bu.)	All Wheat (000 Bu.)	Oats (000 Bu.)	Barley (000 Bu.)	Rye (000 Bu.)	Flaxseed (000 Bu.)
Adams	--------	3,082.2	761.5	225.9	39.7	6.6
Barnes	377.4	8,025.1	1,217.2	6,262.2	44.7	176.4
Benson	108.0	6,814.3	697.8	2,548.8	78.5	112.2
Billings	--------	1,032.1	466.6	78.3	7.4	3.7
Bottineau	--------	9,138.8	705.8	3,925.6	513.5	301.5
Bowman	--------	3,043.2	964.4	310.2	36.4	11.1
Burke	--------	5,569.7	683.3	771.8	118.7	49.8
Burleigh	99.0	4,247.8	2,370.3	491.1	54.9	94.5
Cass	2,314.8	10,890.0	1,839.3	10,640.4	45.1	72.2
Cavalier	3.0	9,593.8	216.0	9,638.2	8.9	49.6
Dickey	2,197.0	3,230.4	2,359.6	2,091.4	517.8	159.6
Divide	--------	6,859.3	653.5	589.0	25.8	45.5
Dunn	5.0	3,770.3	1,745.4	476.0	10.4	2.1
Eddy	9.7	1,934.3	576.7	523.6	103.4	50.4
Emmons	132.3	4,355.7	2,861.8	350.4	44.6	283.2
Foster	45.0	2,642.5	402.6	714.2	312.7	33.4
Golden Valley	48.0	2,308.5	300.3	436.2	7.7	1.3
Grand Forks	225.5	8,141.6	813.5	7,464.0	56.3	105.4
Grant	90.0	2,771.5	1,466.3	333.9	44.6	7.9
Griggs	11.0	3,398.5	330.6	2,045.2	23.8	88.5
Hettinger	--------	5,946.6	771.5	415.7	119.2	13.0
Kidder	279.0	2,099.6	1,886.3	506.0	191.5	86.6
La Moure	473.0	6,175.8	2,236.7	1,541.1	849.0	123.6
Logan	--------	2,955.6	1,395.1	1,158.8	18.0	230.3
McHenry	60.0	6,137.0	2,699.8	1,416.5	408.9	193.5

TABLE 8.30--*Continued*

County	Corn (Grain) (000 Bu.)	All Wheat (000 Bu.)	Oats (000 Bu.)	Barley (000 Bu.)	Rye (000 Bu.)	Flaxseed (000 Bu.)
McIntosh	18.8	3,052.7	1,894.8	419.0	85.6	343.8
McKenzie	12.0	5,248.9	1,327.9	667.5	7.1	9.3
McLean	40.0	12,049.7	2,612.5	737.0	221.9	187.5
Mercer	14.0	2,510.5	1,332.3	166.5	2.3	17.8
Morton	77.9	3,764.1	2,573.8	713.3	35.7	13.9
Mountrail	--------	8,400.9	1,342.8	492.9	90.7	17.5
Nelson	18.0	5,448.5	439.6	3,109.2	8.3	113.8
Oliver	--------	1,246.5	1,287.7	345.2	----	75.1
Pembina	84.5	7,913.1	246.2	5,025.0	90.7	62.8
Pierce	7.8	4,321.3	1,624.6	1,402.4	69.3	203.3
Ramsey	--------	7,805.9	301.3	4,628.1	32.1	80.2
Ransom	2,828.2	2,605.0	1,842.7	1,478.5	181.0	43.8
Renville	5.0	5,767.8	1,188.2	1,785.2	214.2	119.5
Richland	8,171.9	5,238.8	2,786.5	2,764.2	113.8	71.6
Rolette	5.4	3,923.4	472.5	2,342.3	81.1	53.8
Sargent	1,972.8	2,503.1	1,509.3	1,558.2	194.1	74.2
Sheridan	7.0	3,950.9	1,054.7	607.7	60.5	102.4
Sioux	3.3	978.6	628.8	82.7	2.0	0.7
Slope	--------	2,600.8	412.2	212.2	49.8	3.2
Stark	--------	4,440.5	2,548.5	438.4	44.4	6.3
Steele	12.0	4,176.5	393.5	4,823.0	11.9	119.8
Stutsman	72.0	10,363.3	2,121.2	1,762.8	420.9	147.2
Towner	--------	6,434.3	272.6	4,392.8	13.1	96.7
Traill	16.0	6,047.8	580.8	7.540.4	6.4	68.3
Walsh	52.2	8,619.1	448.4	6,042.1	5.6	99.6

TABLE 8.30--Continued

County	Corn (Grain) (000 Bu.)	All Wheat (000 Bu.)	Oats (000 Bu.)	Barley (000 Bu.)	Rye (000 Bu.)	Flaxseed (000 Bu.)
Ward	24.3	13,221.7	2,524.0	2,155.8	190.6	288.1
Wells	63.6	9,530.2	663.8	2,620.3	308.4	186.6
Williams	2.6	9,736.9	1,026.9	432.8	132.0	11.3
NORTH DAKOTA	19,987.0	286,065.0	65,880.0	112,700.0	6,355.0	4,920.0

County	Potatoes (Cwt.)	Sugar Beets (Tons)	Soybeans (000 Bu.)	Sunflowers (000 Lbs.)	All Hay (Tons)
Adams	---------	-------	-------	11,327	131.5
Barnes	---------	-------	-------	166,904	105.3
Benson	---------	-------	-------	73,542	107.5
Billings	---------	-------	-------	-------	72.0
Bottineau	---------	-------	-------	71,761	108.5
Bowman	---------	-------	-------	987	124.4
Burke	---------	-------	-------	3,842	49.9
Burleigh	---------	-------	-------	4,522	235.3
Cass	---------	423,500	1,973.3	319,378	82.4
Cavalier	---------	-------	-------	35,137	39.7
Dickey	---------	-------	-------	40,949	193.2
Divide	---------	-------	-------	6,101	63.2
Dunn	---------	-------	-------	1,850	230.0
Eddy	---------	-------	-------	53,287	71.5
Emmons	---------	-------	-------	3,494	200.3
Foster	---------	-------	-------	93,484	68.6
Golden Valley	---------	-------	-------	2,004	66.1
Grand Forks	6,232,000	253,100	60.8	165,367	39.2

TABLE 8.30--*Continued*

County	Potatoes (Cwt.)	Sugar Beets (Tons)	Soybeans (000 Bu.)	Sunflowers (000 Lbs.)	All Hay (Tons)
Grant	---------	-------	-------	10,204	235.8
Griggs	---------	-------	-------	63,042	68.4
Hettinger	---------	-------	-------	13,912	121.1
Kidder	---------	-------	-------	5,720	273.6
La Moure	---------	-------	-------	69,016	133.6
Logan	---------	-------	-------	2,246	153.8
McHenry	---------	-------	-------	25,194	313.9
McIntosh	---------	-------	-------	19,053	197.3
McKenzie	---------	148,100	-------	2,004	196.6
McLean	---------	-------	-------	12,346	189.0
Mercer	---------	-------	-------	8,047	103.6
Morton	---------	-------	-------	1,295	316.5
Mountrail	---------	-------	-------	13,181	133.1
Nelson	---------	-------	-------	61,050	54.8
Oliver	---------	-------	-------	277	124.7
Pembina	5,337,500	519,900	-------	86,507	32.9
Pierce	---------	-------	-------	4,810	109.4
Ramsey	---------	-------	-------	46,003	36.4
Ransom	---------	-------	98.7	86,807	112.8
Renville	---------	-------	-------	6,542	30.6
Richland	---------	452,400	2,076.7	229,046	114.6
Rolette	---------	-------	-------	7,145	95.9
Sargent	---------	-------	32.9	61,239	111.4
Sheridan	---------	-------	-------	15,856	99.2
Sioux	---------	-------	-------	488	107.0
Slope	---------	-------	-------	3,382	60.9
Stark	---------	-------	-------	2,343	174.0

TABLE 8.30--Continued

County	Potatoes (Cwt.)	Sugar Beets (Tons)	Soybeans (000 Bu.)	Sunflowers (000 Lbs.)	All Hay (Tons)
Steele	---------	-------	46.8	82,285	28.7
Stutsman	---------	-------	-------	155,523	253.2
Towner	375,000	-------	-------	12,462	29.4
Traill	1,180,000	586,900	430.2	111,237	39.4
Walsh	8,596,500	595,200	14.2	70,476	62.4
Ward	---------	-------	-------	35,792	142.0
Wells	---------	-------	-------	110,862	94.0
Williams	---------	67,800	-------	15,552	114.4
NORTH DAKOTA	22,400,000[2]	3,054,000[3]	4,758.0[4]	2,504,880	6,453.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

[1] Preliminary.

[2] State total includes 679,000 cwt. produced in all other counties.

[3] State total includes 7,100 tons produced in all other counties.

[4] State total includes 24,400 bushels produced in all other counties.

TABLE 8.31

CORN (GRAIN) PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Bushels)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	10.5	9.3	5.0	21.0	15.6	9.3	7.0	5.7
Barnes	87.4	83.3	73.6	108.0	72.8	87.3	37.7	341.7
Benson	3.7	--------	--------	--------	15.0	10.0	5.6	49.4
Billings	-------	--------	--------	--------	8.8	4.4	-------	3.2
Bottineau	-------	--------	--------	7.0	5.2	5.2	6.0	5.9
Bowman	-------	--------	--------	--------	3.2	3.2	-------	3.0
Burke	3.8	--------	--------	--------	2.3	-------	-------	--------
Burleigh	29.0	29.7	28.0	4.0	45.4	53.1	45.0	123.2
Cass	519.9	1,473.1	1,044.3	1,110.0	832.4	593.0	788.9	2,108.0
Cavalier	4.3	--------	--------	--------	11.6	8.7	12.0	14.8
Dickey	334.3	374.5	672.6	356.0	365.9	596.3	299.6	1,393.2
Divide	14.8	3.0	--------	--------	21.4	10.0	-------	--------
Dunn	22.8	8.4	8.0	6.4	19.8	16.5	8.8	7.9
Eddy	-------	--------	--------	--------	7.0	3.0	-------	14.8
Emmons	54.0	83.2	81.4	10.5	80.7	81.3	11.0	63.2
Foster	3.9	--------	--------	--------	1.9	3.0	-------	45.0
Golden Valley	-------	--------	--------	8.0	9.4	8.2	11.4	5.5
Grand Forks	162.4	137.7	39.6	164.5	67.0	72.7	64.7	158.8
Grant	70.4	27.5	15.0	21.0	77.4	57.5	53.6	63.7
Griggs	4.1	7.4	4.5	3.5	6.0	6.0	-------	5.0
Hettinger	2.8	4.5	--------	--------	3.4	3.5	-------	5.7
Kidder	6.0	4.0	35.0	60.0	37.7	60.7	49.4	176.0
La Moure	130.2	141.9	145.0	12.0	108.0	124.1	79.1	499.2
Logan	16.0	3.8	4.0	5.0	5.1	4.3	2.4	23.7
McHenry	7.0	2.5	--------	--------	6.1	6.0	12.0	74.2

TABLE 8.31--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	15.0	11.7	7.0	4.0	3.0	4.2	2.4	7.9
McKenzie	11.4	2.5	5.0	--------	32.0	24.0	4.6	--------
McLean	7.8	2.5	--------	--------	15.0	15.0	2.6	7.4
Mercer	66.5	25.2	40.5	40.0	28.4	24.0	15.0	14.8
Morton	27.9	17.6	44.0	30.0	64.3	49.5	57.5	11.9
Mountrail	--------	--------	--------	--------	--------	--------	--------	4.9
Nelson	3.5	--------	--------	--------	--------	--------	--------	--------
Oliver	12.0	6.2	4.5	10.0	26.3	10.5	8.0	11.9
Pembina	5.0	4.8	--------	--------	4.0	4.0	--------	--------
Pierce	7.0	2.5	5.1	--------	26.8	27.0	8.7	24.2
Ramsey	--------	--------	--------	--------	--------	--------	--------	--------
Ransom	343.1	590.0	947.2	855.4	613.4	1,031.3	930.8	2,693.2
Renville	--------	3.0	--------	--------	40.0	15.0	--------	9.9
Richland	3,779.3	6,730.0	7,131.6	6,356.5	4,712.9	3,021.2	4,168.9	6,989.6
Rolette	8.0	--------	--------	--------	17.3	11.0	4.0	14.8
Sargent	477.2	739.9	951.3	769.5	681.6	1,022.0	896.3	2,126.5
Sheridan	2.8	--------	--------	--------	5.0	--------	--------	3.5
Sioux	15.0	10.8	6.0	14.0	7.3	10.2	4.0	3.0
Slope	2.9	--------	--------	--------	3.2	2.0	--------	4.9
Stark	9.6	4.5	5.0	4.0	--------	--------	--------	8.9
Steele	4.2	--------	5.0	--------	4.3	2.5	--------	10.0
Stutsman	18.5	38.4	10.0	7.2	17.6	11.1	17.9	62.3
Towner	--------	--------	--------	--------	4.0	--------	--------	--------
Traill	43.2	117.3	52.8	80.0	10.7	10.4	15.6	39.6
Walsh	5.2	4.9	4.3	4.5	--------	--------	3.5	29.3
Ward	7.8	7.0	5.0	4.0	--------	--------	--------	19.8
Wells	8.2	6.4	5.2	--------	--------	4.0	--------	6.9
Williams	6.6	11.0	4.5	4.0	13.8	13.8	6.0	5.0
NORTH DAKOTA	6,375.0	10,730.0	11,390.0	10,080.0	8,160.0	7,140.0	7,640.0	17,301.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.32

TOTAL WHEAT PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Bushels)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	1,790.7	3,016.7	1,960.2	2,573.0	2,644.4	2,449.0	2,828.6	2,266.3
Barnes	4,669.2	8,613.8	5,695.3	5,796.0	6,295.5	8,330.1	8,362.1	7,347.9
Benson	4,479.0	7,662.8	5,225.5	4,966.5	4,782.7	7,486.5	7,906.2	4,390.5
Billings	510.8	790.9	531.6	586.9	519.9	577.0	799.9	758.6
Bottineau	5,875.5	11,342.5	8,186.3	10,020.0	7,368.8	7,671.2	8,478.9	6,797.9
Bowman	1,603.5	2,421.0	2,223.8	2,328.4	2,888.5	2,349.4	3,157.1	2,391.9
Burke	3,393.8	6,071.5	4,276.8	5,414.0	4,390.7	4,212.3	4,810.1	4,559.5
Burleigh	1,392.1	3,330.7	2,897.5	2,373.0	1,898.0	3,889.9	3,367.8	1,296.5
Cass	5,069.6	12,005.5	7,930.5	12,434.1	10,772.1	8,807.9	16,536.8	11,004.2
Cavalier	5,340.0	10,488.0	7,618.3	8,921.5	6,580.4	9,081.8	9,178.3	10,246.9
Dickey	950.4	2,329.3	1,701.7	1,915.0	2,574.2	3,227.9	3,062.6	3,358.7
Divide	4,485.1	6,894.0	6,357.0	6,777.0	5,913.0	5,484.5	7,477.0	5,514.1
Dunn	1,882.5	3,086.3	2,549.5	2,458.5	2,107.2	2,272.2	3,083.6	2,641.6
Eddy	1,190.2	2,951.8	1,893.9	1,425.0	1,339.6	2,033.5	1,927.6	1,383.4
Emmons	1,583.0	4,149.5	2,301.0	2,116.3	2,129.5	4,178.2	2,134.2	2,305.9
Foster	1,732.8	4,273.7	2,735.2	2,643.3	2,601.4	3,258.6	3,974.9	2,240.7
Golden Valley	1,399.5	2,112.9	2,515.3	2,113.5	2,306.9	2,404.8	2,245.3	1,846.3
Grand Forks	5,564.6	9,155.5	6,787.5	7,982.5	6,820.6	10,640.0	10,227.4	8,304.6
Grant	1,680.0	3,410.3	2,257.0	2,683.5	1,969.4	2,410.5	3,367.4	2,444.9
Griggs	1,892.6	3,922.0	2,707.8	2,333.0	2,681.8	3,488.1	3,071.9	3,081.6
Hettinger	3,427.6	6,149.4	4,345.0	4,455.5	5,258.5	5,004.8	6,127.2	5,364.6
Kidder	754.3	2,355.4	1,333.6	1,000.8	1,251.9	2,554.0	2,031.7	898.7
La Moure	2,204.4	5,481.9	3,930.0	3,167.0	4,055.5	5,231.2	4,926.3	4,819.3
Logan	1,036.9	3,047.6	1,708.4	1,373.0	1,609.0	2,692.3	1,549.0	2,458.9
McHenry	3,115.4	5,448.9	4,595.5	5,472.5	3,449.0	4,849.0	5,512.0	3,660.0

TABLE 8.32--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	1,098.0	2,905.8	1,648.9	1,417.0	1,550.9	2,915.1	1,899.4	2,205.3
McKenzie	2,715.3	4,193.7	3,314.8	4,512.6	3,136.5	3,860.6	4,677.2	3,330.0
McLean	6,111.6	10,073.0	9,237.2	9,097.0	6,330.0	10,370.7	9,562.4	8,871.3
Mercer	1,354.8	2,571.9	2,209.9	2,043.0	1,478.8	2,094.0	2,173.5	1,994.4
Morton	1,806.6	3,525.6	2,513.4	2,234.2	1,925.8	2,965.7	3,059.5	2,418.4
Mountrail	4,939.1	7,627.9	5,244.0	7,508.0	5,793.4	5,994.8	6,553.5	5,977.4
Nelson	3,808.0	6,503.0	4,426.5	4,005.4	4,020.5	5,779.0	4,666.7	4,392.8
Oliver	652.0	1,235.8	1,068.0	987.0	745.9	1,132.5	1,800.9	714.8
Pembina	4,656.6	9,940.0	7,577.0	8,115.0	7,213.3	10,154.6	11,699.3	8,120.8
Pierce	2,583.2	4,739.5	3,562.5	4,247.6	3,073.0	3,994.3	4,537.2	2,419.6
Ramsey	5,098.5	9,235.0	5,361.0	5,260.5	4,817.5	8,193.8	8,582.5	6,560.4
Ransom	1,135.2	2,554.0	1,675.5	2,154.5	2,411.7	2,037.5	2,825.6	2,313.5
Renville	3,314.6	5,823.4	4,291.0	6,107.4	4,182.7	4,889.1	5,166.0	4,844.6
Richland	2,120.7	4,751.4	3,412.7	6,657.6	5,976.1	3,914.2	6,300.2	5,809.6
Rolette	2,251.0	4,057.3	2,811.5	3,137.0	2,463.0	3,225.5	3,732.7	3,199.6
Sargent	1,243.1	2,283.0	1,647.1	2,889.0	2,401.5	2,675.1	2,587.8	3,037.5
Sheridan	2,250.1	3,236.2	3,181.0	3,090.0	2,396.9	3,705.1	3,682.2	1,727.0
Sioux	299.0	813.0	572.5	600.6	537.8	778.3	651.9	693.8
Slope	1,421.1	2,549.4	1,876.8	2,036.3	2,669.3	2,685.8	3,110.4	1,707.8
Stark	2,630.8	4,504.6	3,694.6	3,942.0	3,781.2	3,883.5	5,016.4	3,137.4
Steele	2,471.4	4,229.5	3,287.8	4,315.5	4,101.6	5,081.8	4,942.3	4,667.3
Stutsman	5,031.5	11,093.0	7,592.0	6,923.5	7,731.7	10,684.5	9,779.0	8,928.0
Towner	4,806.0	8,740.5	6,086.0	6,642.0	4,994.5	6,937.2	7,596.4	5,820.9
Traill	2,632.8	6,371.8	4,629.0	5,599.0	4,959.9	6,379.0	7,422.2	5,659.9
Walsh	6,335.5	9,878.0	7,381.3	8,129.5	7,211.8	10,097.1	10,017.0	8,302.3
Ward	6,813.9	11,249.4	9,220.6	11,863.1	8,504.2	9,660.3	12,280.1	9,072.0
Wells	4,537.4	8,120.4	6,600.3	6,739.0	5,260.1	7,370.4	7,578.1	5,053.0
Williams	5,422.7	8,256.0	8,430.9	8,002.8	6,873.9	8,347.8	9,785.7	7,544.1
NORTH DAKOTA	156,564.0	291,574.0	216,818.0	241,586.0	210,752.0	264,392.0	287,830.0	229,907.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.33

OATS PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Bushels)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	1,260.0	1,078.0	1,125.0	1,378.0	626.7	598.4	776.0	383.0
Barnes	4,815.0	4,819.0	3,468.0	1,632.0	1,688.8	1,637.7	1,799.5	2,377.2
Benson	1,558.0	1,450.0	1,107.0	980.0	570.4	703.2	720.6	520.0
Billings	564.0	500.0	550.0	370.0	244.0	234.6	337.3	309.0
Bottineau	3,542.0	2,050.0	3,074.0	2,756.0	1,094.0	363.9	729.1	1,979.5
Bowman	1,254.0	882.0	1,760.0	1,344.0	657.4	546.1	515.1	492.6
Burke	1,836.0	756.0	963.0	901.0	393.7	1,409.3	981.8	834.5
Burleigh	1,767.0	2,499.0	2,160.0	744.0	880.4	2,074.8	1,325.3	428.4
Cass	4,968.0	6,006.0	3,410.0	2,646.0	1,171.8	848.9	1,403.4	2,800.0
Cavalier	2,613.0	1,378.0	1,121.0	902.0	467.2	675.0	500.8	864.1
Dickey	2,432.0	3,600.0	2,744.0	1,440.0	1,566.6	1,562.0	959.0	2,385.0
Divide	1,944.0	624.0	1,062.0	688.0	398.0	258.3	505.3	610.9
Dunn	1,935.0	1,850.0	2,214.0	1,620.0	1,061.8	1,594.8	1,499.5	872.3
Eddy	1,443.0	1,173.0	1,079.0	589.0	396.7	701.1	552.1	636.1
Emmons	1,620.0	3,078.0	2,184.0	1,334.0	909.1	2,346.0	730.9	1,293.8
Foster	2,322.0	1,344.0	1,128.0	759.0	603.7	610.5	266.7	659.1
Golden Valley	533.0	658.0	1,184.0	1,088.0	528.9	638.6	543.0	419.6
Grand Forks	3,552.0	2,223.0	1,620.0	1,064.0	881.0	1,158.9	804.6	1,281.8
Grant	1,488.0	2,080.0	2,024.0	1,560.0	898.2	1,466.3	1,307.9	859.6
Griggs	2,365.0	2,052.0	1,316.0	759.0	603.7	771.6	534.7	752.2
Hettinger	1,600.0	1,484.0	2,100.0	2,142.0	731.1	545.4	565.9	873.5
Kidder	858.0	2,392.0	1,638.0	682.0	741.6	1,564.3	778.0	509.9
La Moure	3,315.0	5,070.0	4,187.0	1,122.0	1,638.6	2,510.1	1,342.6	2,381.2
Logan	936.0	2,408.0	1,849.0	690.0	788.0	1,394.9	653.3	1,398.8
McHenry	2,960.0	2,860.0	4,240.0	2,992.0	1,380.9	1,873.8	681.3	1,619.2

TABLE 8.33--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	1,189.0	2,640.0	1,886.0	700.0	752.7	1,292.0	645.6	1,059.9
McKenzie	1,320.0	1,269.0	1,650.0	1,450.0	824.8	863.1	804.5	505.6
McLean	3,496.0	2,726.0	4,248.0	2,128.0	1,001.3	1,449.1	1,172.0	1,569.7
Mercer	1,312.0	1,612.0	1,870.0	1,176.0	543.7	1,063.6	865.7	715.7
Morton	2,052.0	3,286.0	3,000.0	1,764.0	1,236.9	2,276.1	1,916.2	843.9
Mountrail	3,100.0	1,300.0	2,050.0	1,908.0	695.6	809.9	795.0	1,088.8
Nelson	3,350.0	1,715.0	1,218.0	858.0	681.2	981.6	534.1	853.6
Oliver	646.0	1,100.0	1,134.0	646.0	476.0	712.3	606.0	328.1
Pembina	2,310.0	1,485.0	1,150.0	1,134.0	414.4	689.2	418.8	634.2
Pierce	1,665.0	1,936.0	2,254.0	1,628.0	839.6	986.5	998.0	984.1
Ramsey	1,364.0	624.0	588.0	546.0	290.4	344.9	214.1	475.5
Ransom	2,773.0	3,685.0	2,496.0	2,025.0	1,266.4	941.5	839.2	2,120.2
Renville	1,632.0	1,248.0	1,566.0	1,540.0	594.1	916.0	1,347.1	1,422.9
Richland	7,714.0	7,280.0	3,850.0	4,697.0	1,951.6	697.2	710.5	4,050.0
Rolette	1,472.0	920.0	1,071.0	1,173.0	461.8	485.1	778.6	819.4
Sargent	3,050.0	3,416.0	2,420.0	1,980.0	1,339.2	1,506.9	854.7	2,040.8
Sheridan	1,512.0	1,144.0	1,705.0	864.0	664.3	924.5	761.8	396.5
Sioux	475.0	810.0	585.0	341.0	274.2	484.1	200.3	201.7
Slope	731.0	616.0	988.0	1,188.0	458.9	353.1	349.6	323.2
Stark	2,255.0	2,576.0	2,970.0	2,279.0	1,488.2	1,402.1	1,502.9	1,226.1
Steele	2,254.0	1,888.0	1,749.0	1,104.0	612.7	600.3	328.6	938.6
Stutsman	5,360.0	6,200.0	4,900.0	2,044.0	1,954.9	2,624.7	1,814.6	2,352.6
Towner	960.0	550.0	561.0	528.0	185.9	234.7	193.9	475.5
Traill	2,576.0	2,294.0	1,566.0	1,296.0	537.7	693.8	497.7	1,355.1
Walsh	2,928.0	1,590.0	1,176.0	897.0	673.8	1,069.3	655.6	1,052.0
Ward	3,600.0	2,585.0	3,770.0	3,355.0	1,543.6	1,836.3	1,737.7	2,929.9
Wells	2,420.0	1,792.0	1,666.0	851.0	766.5	997.2	657.9	819.1
Williams	3,060.0	1,029.0	2,176.0	1,518.0	723.9	846.4	861.6	918.8
NORTH DAKOTA	120,056.0	113,630.0	105,570.0	73,800.0	44,100.0	56,170.0	44,840.0	60,000.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.34

BARLEY PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Bushels)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	319.0	273.0	528.0	1,122.0	222.2	156.4	185.1	201.3
Barnes	3,597.0	6,552.0	5,904.0	4,092.0	3,492.2	4,246.8	4,398.4	5,556.8
Benson	1,855.0	2,706.0	3,089.5	3,060.0	1,443.5	2,489.2	2,893.6	1,761.2
Billings	66.0	84.0	266.5	256.0	31.4	89.0	58.7	63.6
Bottineau	1,746.0	2,515.5	3,439.0	4,079.5	1,689.4	2,269.9	2,093.5	3,224.4
Bowman	510.0	440.0	1,127.5	1,443.0	475.5	373.7	213.2	338.7
Burke	666.0	717.5	846.0	740.0	471.1	451.1	641.8	539.6
Burleigh	487.5	592.0	738.0	418.0	189.8	837.0	289.7	122.4
Cass	3,840.0	8,550.0	5,712.0	7,530.0	4,604.9	4,279.8	7,365.5	8,540.7
Cavalier	4,224.0	6,600.5	6,006.5	5,889.0	3,265.3	5,959.3	6,580.1	9,703.8
Dickey	1,224.0	2,070.0	1,979.5	1,512.0	1,425.3	1,766.4	829.4	1,862.6
Divide	903.0	526.5	799.5	700.0	212.9	211.7	451.9	386.7
Dunn	511.5	331.5	860.0	869.5	179.6	231.4	273.1	242.9
Eddy	507.5	810.0	805.0	710.5	228.0	376.3	441.3	469.3
Emmons	198.0	312.0	525.0	300.0	189.8	351.6	122.3	177.4
Foster	869.5	1,232.0	1,258.0	770.0	473.9	688.9	685.1	686.2
Golden Valley	468.0	315.0	575.0	858.0	209.5	165.8	238.9	246.5
Grand Forks	4,270.5	5,616.0	5,166.0	4,953.0	3,933.1	6,048.4	6,217.0	6,773.3
Grant	416.0	450.0	640.0	1,100.0	183.9	221.9	174.3	371.0
Griggs	1,083.0	2,050.0	2,047.5	1,472.0	1,200.4	2,130.9	1,969.8	1,769.7
Hettinger	735.0	540.0	1,197.0	2,357.5	551.6	273.5	478.3	699.2
Kidder	378.0	409.5	565.5	313.5	226.8	346.1	210.1	116.6
La Moure	1,147.0	2,376.5	2,067.0	874.0	957.3	1,002.4	816.5	1,120.6
Logan	105.0	144.0	247.5	120.0	94.6	215.3	90.3	127.9
McHenry	666.5	925.0	1,560.0	1,258.0	413.3	806.9	566.3	667.1

TABLE 8.34--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	225.0	380.0	544.5	285.0	157.4	257.5	142.7	268.2
McKenzie	962.5	594.0	1,410.0	1,386.0	399.2	336.7	207.9	344.3
McLean	790.5	760.0	1,376.0	1,110.0	315.7	366.8	484.4	614.3
Mercer	155.0	102.0	357.0	341.0	85.5	171.8	126.8	67.0
Morton	456.0	620.0	1,102.0	1,277.5	327.8	741.5	655.2	493.8
Mountrail	645.0	468.0	806.0	880.0	282.2	167.4	216.5	491.4
Nelson	2,185.0	3,195.0	3,120.0	2,479.5	1,166.7	2,422.7	1,600.5	2,526.6
Oliver	162.5	210.0	345.0	297.5	114.1	166.8	205.3	143.0
Pembina	1,926.0	3,238.5	2,829.0	3,465.0	2,151.2	4,223.6	3,654.3	5,336.2
Pierce	930.0	1,280.0	1,804.0	1,701.5	892.0	1,090.8	7,172.7	1,066.8
Ramsey	3,010.0	4,095.0	4,130.0	4,834.5	1,662.4	3,396.8	3,738.2	4,441.0
Ransom	1,071.0	1,665.0	1,462.5	1,735.5	1,368.2	1,319.3	869.6	1,096.7
Renville	935.0	1,501.0	1,746.0	1,800.0	826.4	623.8	745.7	1,418.7
Richland	2,203.5	3,772.0	2,279.0	3,408.0	2,937.1	2,015.3	2,556.8	4,185.1
Rolette	1,083.0	1,619.5	2,014.0	2,220.0	1,053.2	1,497.9	1,878.1	2,169.2
Sargent	846.0	1,610.0	1,540.0	1,680.5	1,244.8	1,135.6	944.5	1,444.8
Sheridan	459.0	444.0	795.5	522.0	248.3	491.6	511.2	137.3
Sioux	72.0	95.0	240.0	220.5	62.2	87.7	101.9	38.8
Slope	336.0	336.0	665.0	1,271.0	315.7	202.7	146.5	232.4
Stark	450.0	399.0	882.0	1,092.0	285.0	301.4	326.9	325.5
Steele	2,082.5	3,375.0	3,465.0	3,000.0	2,310.2	3,879.5	3,824.6	4,262.7
Stutsman	1,989.0	3,384.0	3,354.0	2,187.0	1,664.7	2,242.5	2,041.2	2,133.5
Towner	1,980.0	3,054.5	3,480.0	3,960.0	1,518.4	2,958.5	3,515.1	4,819.2
Traill	2,112.0	4,611.0	4,050.0	4,400.0	2,843.9	4,263.0	5,296.9	6,084.5
Walsh	3,900.0	6,100.5	5,676.0	4,978.0	3,393.3	6,019.9	5,041.9	5,778.4
Ward	1,369.0	1,833.0	2,200.0	1,780.0	713.4	862.9	1,102.9	1,431.9
Wells	1,930.5	3,335.0	3,354.0	1,984.5	1,014.6	2,136.6	1,624.8	1,132.4
Williams	833.0	594.5	1,704.0	1,386.0	397.3	429.7	302.7	416.8
NORTH DAKOTA	65,892.0	99,810.0	104,680.0	102,490.0	56,280.0	79,800.0	81,320.0	98,670.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.35

RYE PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Bushels)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	60.0	144.0	101.5	105.0	66.5	44.2	64.9	33.3
Barnes	252.0	403.0	128.0	117.8	107.7	135.4	79.2	20.4
Benson	47.5	96.0	23.0	24.3	33.3	23.5	37.6	17.1
Billings	9.2	15.5	7.8	6.0	16.5	2.4	5.7	3.4
Bottineau	176.0	387.5	159.5	84.1	65.9	197.1	190.3	177.5
Bowman	40.5	108.0	54.0	16.5	2.0	2.0	8.9	3.4
Burke	130.5	84.0	42.0	29.7	11.8	31.4	23.6	19.2
Burleigh	10.4	39.0	46.5	5.6	16.6	18.2	25.6	23.6
Cass	108.5	263.5	112.0	80.0	55.6	47.1	68.5	32.6
Cavalier	15.5	30.0	8.7	7.5	25.1	29.1	12.2	6.5
Dickey	476.0	1,044.0	573.5	426.0	377.0	323.5	270.7	119.2
Divide	50.0	67.5	14.0	8.1	5.7	21.7	30.5	10.7
Dunn	18.0	34.0	15.0	5.4	5.6	5.8	1.3	8.6
Eddy	165.0	255.0	75.0	40.0	31.2	52.9	48.4	55.5
Emmons	54.0	182.0	70.0	47.6	28.9	34.1	9.0	16.6
Foster	112.0	210.0	64.0	45.0	32.5	44.0	112.7	28.9
Golden Valley	9.2	15.0	6.2	6.4	3.1	4.2	5.9	5.1
Grand Forks	26.0	72.5	27.0	35.2	51.8	60.4	41.7	82.6
Grant	34.0	116.0	67.5	36.0	46.4	38.3	39.7	63.5
Griggs	34.0	64.0	35.0	11.2	6.5	10.8	11.8	5.3
Hettinger	294.5	346.5	126.0	85.8	99.2	16.4	84.2	64.2
Kidder	52.0	128.0	31.5	22.0	40.7	37.2	42.0	49.3
La Moure	647.5	986.0	536.5	328.0	353.2	247.0	212.5	169.8
Logan	37.5	93.0	29.0	25.2	44.2	60.9	23.2	23.6
McHenry	157.5	262.5	112.5	69.6	70.2	169.7	166.1	157.4

TABLE 8.35--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	105.0	240.0	181.5	91.0	64.4	62.0	55.0	35.6
McKenzie	51.0	32.0	28.0	5.4	13.2	15.2	6.4	5.1
McLean	150.0	222.0	140.0	62.7	50.3	78.0	88.6	146.8
Mercer	5.4	15.5	8.1	6.4	3.9	1.8	1.2	-------
Morton	8.4	43.5	14.5	9.6	15.9	8.0	5.7	5.8
Mountrail	65.0	94.5	43.5	12.5	14.9	19.0	15.7	27.1
Nelson	14.0	32.0	11.2	5.0	5.8	8.5	2.3	6.5
Oliver	5.4	15.5	7.2	3.0	2.0	1.9	1.1	2.2
Pembina	42.0	54.0	29.0	12.5	25.3	43.5	54.9	102.5
Pierce	60.0	126.0	75.0	47.5	35.7	41.6	67.1	16.0
Ramsey	15.0	13.5	7.2	10.0	29.2	42.4	14.6	35.0
Ransom	144.0	455.0	209.0	231.0	145.8	231.7	136.2	43.2
Renville	121.5	150.0	43.5	37.7	20.3	49.6	48.3	49.2
Richland	225.0	385.0	240.5	174.9	104.1	75.8	112.0	59.3
Rolette	46.0	42.0	18.4	7.2	8.1	7.1	28.5	31.5
Sargent	272.0	577.5	420.0	316.8	144.7	156.0	120.7	78.5
Sheridan	18.0	39.0	15.0	8.7	8.5	25.0	11.8	6.4
Sioux	5.6	48.0	27.0	5.4	2.3	1.3	1.1	-------
Slope	160.0	247.5	98.0	59.4	15.4	6.2	11.1	10.1
Stark	54.0	90.0	52.0	28.8	20.3	6.9	21.8	14.7
Steele	9.0	48.0	36.0	12.8	9.4	9.7	7.7	-------
Stutsman	217.5	560.0	231.0	115.0	18.7	194.5	232.4	77.3
Towner	11.2	13.5	7.2	5.0	3.9	6.1	11.0	13.4
Traill	13.0	46.5	18.0	6.4	20.3	11.1	6.3	-------
Walsh	8.7	13.5	10.0	7.8	8.9	5.1	2.6	-------
Ward	117.0	130.5	43.5	25.0	14.4	17.1	15.0	41.2
Wells	96.0	367.6	105.0	51.0	75.9	101.5	91.5	31.5
Williams	192.0	201.5	30.0	12.5	13.9	90.6	44.2	25.8
NORTH DAKOTA	5,249.0	9,750.0	4,615.0	3,039.0	2,650.0	2,975.0	2,831.0	2,080.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.36

FLAXSEED PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Bushels)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	15.0	15.0	19.5	27.9	19.5	21.9	12.5	24.5
Barnes	556.5	372.0	231.0	241.6	305.8	304.6	174.0	343.3
Benson	708.0	330.0	299.0	310.6	225.4	309.7	132.5	191.5
Billings	5.5	4.5	3.6	5.1	3.8	2.7	-------	18.4
Bottineau	744.0	357.0	299.0	514.6	253.0	261.4	214.1	625.2
Bowman	45.5	12.0	7.5	5.1	16.8	7.1	7.6	29.6
Burke	115.0	31.5	26.0	59.4	42.6	27.8	25.1	72.7
Burleigh	413.2	216.0	190.0	87.3	120.9	245.5	107.2	41.8
Cass	535.0	208.0	174.0	212.1	203.9	102.0	36.1	207.1
Cavalier	86.2	56.0	16.0	141.6	48.8	56.6	28.2	118.4
Dickey	624.8	477.2	448.0	289.3	259.3	324.9	135.1	279.4
Divide	71.5	8.5	6.0	11.7	3.9	3.2	2.0	73.9
Dunn	28.0	11.5	7.5	9.1	12.7	5.0	4.7	4.8
Eddy	362.2	220.0	210.0	163.4	131.0	163.5	54.7	94.0
Emmons	516.8	504.0	382.5	225.3	239.4	407.4	130.6	207.3
Foster	414.8	252.0	156.0	134.0	101.2	126.7	50.2	116.6
Golden Valley	12.0	6.0	7.0	4.6	-------	2.1	-------	5.4
Grand Forks	451.0	156.0	97.5	164.4	168.2	148.2	62.9	207.5
Grant	40.5	20.0	39.0	20.3	25.4	36.3	7.8	11.2
Griggs	588.0	269.5	180.0	181.2	172.3	242.7	87.3	212.2
Hettinger	47.2	19.5	14.0	28.3	38.4	32.6	29.3	55.3
Kidder	352.0	144.0	125.0	46.2	81.8	138.2	102.6	38.5
La Moure	585.0	456.2	352.8	203.0	229.7	221.1	114.4	422.0
Logan	422.5	333.0	265.0	138.0	235.8	297.0	87.0	267.7
McHenry	477.8	184.0	203.0	268.0	177.1	231.8	159.7	209.8

TABLE 8.36--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	627.2	660.0	522.0	272.0	386.0	554.8	255.6	279.7
McKenzie	81.0	6.0	7.5	11.2	7.9	7.6	8.4	13.9
McLean	748.0	296.0	331.5	315.1	239.9	239.7	144.4	147.6
Mercer	143.8	50.0	42.0	17.8	29.7	38.4	31.5	20.7
Morton	70.0	24.0	26.0	20.3	19.9	17.9	43.9	19.2
Mountrail	138.0	29.8	16.5	36.5	32.1	169.6	69.2	33.0
Nelson	500.2	253.0	198.0	293.3	202.5	38.5	25.1	277.7
Oliver	85.0	55.0	56.0	40.6	62.0	109.4	108.3	30.7
Pembina	78.8	25.0	7.5	62.9	56.2	39.0	32.6	78.4
Pierce	486.0	357.0	371.0	432.4	309.7	320.7	136.1	188.7
Ramsey	275.0	115.0	97.5	245.6	152.8	172.5	44.0	208.8
Ransom	240.0	94.5	58.5	60.9	78.1	50.0	25.3	62.2
Renville	354.0	145.0	123.5	230.9	114.7	133.0	119.8	261.0
Richland	337.2	182.0	162.0	146.2	119.4	114.3	50.9	150.9
Rolette	93.5	42.0	37.5	66.0	37.8	64.9	177.9	79.3
Sargent	320.0	176.0	157.5	163.9	140.7	121.6	53.2	171.6
Sheridan	352.0	174.2	162.5	106.6	142.4	149.7	60.4	71.2
Sioux	28.5	17.0	16.5	7.1	11.2	9.3	10.8	4.4
Slope	11.5	4.2	7.5	8.1	13.9	9.2	6.9	6.9
Stark	46.0	7.0	15.0	10.2	17.5	4.6	7.1	8.2
Steele	460.0	275.0	180.0	279.2	256.3	291.8	101.9	244.9
Stutsman	551.0	319.0	180.0	194.9	177.6	326.6	145.5	321.4
Towner	99.0	33.0	28.0	85.3	40.0	51.5	48.7	113.1
Traill	556.5	141.8	91.0	158.3	152.9	117.6	43.1	133.8
Walsh	210.0	98.0	38.5	105.1	132.7	122.8	46.6	114.4
Ward	510.0	184.0	156.0	303.5	241.3	247.2	161.6	306.0
Wells	882.0	605.0	468.0	397.8	368.7	431.5	241.4	262.9
Williams	79.8	8.5	3.6	12.2	27.3	26.2	34.2	11.3
NORTH DAKOTA	16,440.0	9,041.0	7,320.0	7,576.0	6,688.0	7,700.0	4,000.0	7,500.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.37

POTATO PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(In Cwt.)

County	1970	1971	1972	1973	1974	1975	1976	1977
Grand Forks	4,482,900	6,354,000	5,177,000	5,104,200	6,697,000	5,442,500	4,718,000	5,950,000
Pembina	3,429,000	3,990,000	4,433,000	4,560,000	4,834,000	3,910,500	4,065,000	4,992,000
Towner	324,500	403,000	336,000	420,500	420,000	400,000	455,000	478,500
Traill	867,300	1,461,500	1,088,000	1,264,000	1,343,000	1,056,000	819,000	1,024,000
Walsh	8,019,000	7,378,800	5,987,500	7,536,100	9,207,000	6,359,000	6,412,500	8,618,000
Other Counties	427,300	407,700	378,500	255,200	448,500	432,000	470,500	537,500
NORTH DAKOTA	17,550,000	19,995,000	17,400,000	19,140,000	22,950,000	17,600,000	16,940,000	21,600,000

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.38

SUGAR BEET PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(In Tons)

County	1970	1971	1972	1973	1974	1975	1976	1977
Cass	138,200	129,600	82,000	180,200	200,100	186,800	214,500	360,400
Grand Forks	151,600	179,400	141,900	155,900	127,600	152,000	173,500	228,300
McKenzie	87,300	91,400	95,600	137,600	108,100	109,400	154,800	114,800
McLean	-------	4,700	-------	-------	-------	-------	-------	-------
Oliver	4,000	6,100	3,900	-------	-------	-------	-------	-------
Pembina	251,800	287,500	271,600	301,000	268,000	371,900	434,900	505,600
Richland	48,300	67,400	49,500	90,800	251,500	275,000	216,000	467,100
Traill	100,000	103,400	81,300	122,500	270,300	312,400	307,100	505,400
Walsh	244,400	284,400	237,600	229,500	277,000	345,200	431,400	526,600
Williams	36,600	44,700	40,000	60,700	50,100	51,900	74,800	55,800
Other Counties	7,800	5,400	4,600	5,800	9,300	15,400	15,000	5,000
NORTH DAKOTA	1,070,000	1,204,000	1,008,000	1,284,000	1,562,000	1,820,000	2,022,000	2,769,000

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.39

SOYBEAN PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Bushels)

County	1970	1971	1972	1973	1974	1975	1976	1977
Barnes	1.6	3.3	4.0	-------	11.0	-------	-------	-------
Benson	-------	-------	-------	-------	-------	-------	-------	7.6
Cass	1,238.8	1,663.2	1,704.3	2,600.0	1,216.8	1,200.6	859.3	1,584.3
Dickey	1.2	1.0	2.0	4.0	-------	-------	-------	7.4
Grand Forks	4.3	4.8	-------	-------	13.5	-------	-------	45.6
Griggs	1.1	1.2	-------	-------	-------	-------	-------	-------
La Moure	-------	-------	-------	-------	-------	-------	-------	6.3
Ransom	11.7	8.8	14.0	27.0	6.2	7.3	15.2	41.0
Richland	1,319.5	1,081.8	1,956.5	2,062.0	1,278.9	1,435.6	830.5	1,386.5
Sargent	28.5	27.0	28.5	68.0	29.2	37.3	9.2	49.0
Steele	1.2	1.1	-------	27.0	20.4	-------	-------	-------
Towner	-------	-------	-------	-------	-------	-------	-------	10.6
Traill	85.8	107.9	174.3	310.0	116.3	206.2	104.8	302.2
Walsh	4.2	3.3	-------	-------	22.2	-------	-------	41.4
Other Counties	17.1	8.5	11.4	25.0	8.5	19.0	19.0	3.4
NORTH DAKOTA	2,715.0	2,912.0	3,895.0	5,123.0	2,723.0	2,906.0	1,838.0	3,500.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.40

SUNFLOWER PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Pounds)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	------	------	------	------	------	------	1,540	4,318
Barnes	3,848	11,660	25,850	38,000	49,340	82,820	71,300	130,491
Benson	------	------	------	------	------	------	2,820	33,265
Billings	------	------	------	------	------	------	------	------
Bottineau	------	------	------	------	------	------	90	62,007
Bowman	------	------	------	------	------	------	------	1,212
Burke	------	------	------	------	------	------	450	3,345
Burleigh	------	------	------	------	------	------	890	1,151
Cass	31,354	51,480	96,900	125,210	89,050	76,110	106,830	258,325
Cavalier	------	------	------	------	------	------	540	12,876
Dickey	------	------	------	950	5,380	8,450	10,150	25,579
Divide	------	------	------	------	------	------	90	4,141
Dunn	------	------	------	------	------	------	90	1,090
Eddy	------	------	2,000	2,500	3,560	19,440	15,420	42,846
Emmons	------	------	------	------	------	------	------	687
Foster	5,170	10,250	13,500	20,200	21,530	35,720	47,610	84,935
Golden Valley	------	------	------	------	------	------	1,050	71
Grand Forks	21,800	47,895	54,825	60,650	36,930	66,430	72,100	135,496
Grant	------	------	------	------	------	------	80	5,066
Griggs	470	1,680	2,550	4,400	4,230	10,030	7,210	32,921
Hettinger	------	------	------	------	------	------	------	8,999
Kidder	------	------	------	------	------	------	350	2,323
La Moure	------	------	4,600	7,600	17,790	25,300	25,320	52,596
Logan	------	------	------	------	------	------	160	1,212
McHenry	------	------	------	------	------	------	200	4,327
McIntosh	------	------	------	------	------	------	200	3,485
McKenzie	------	------	------	------	------	------	210	727
McLean	------	------	------	------	------	------	1,100	6,545

TABLE 8.40--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
Mercer	------	------	------	------	------	------	1,140	2,262
Morton	------	------	------	------	------	------	------	96
Mountrail	------	------	------	------	------	------	------	2,044
Nelson	------	------	1,800	5,350	2,870	6,610	3,310	34,332
Oliver	------	------	------	------	------	------	------	303
Pembina	6,451	14,700	16,875	15,100	3,150	8,990	7,190	40,919
Pierce	------	------	------	------	------	------	------	2,050
Ramsey	------	------	------	------	------	------	1,530	24,800
Ransom	1,340	2,100	3,800	10,400	20,480	24,800	26,670	66,072
Renville	------	------	------	------	------	------	80	1,364
Richland	14,960	36,630	51,000	53,050	48,860	53,660	83,690	171,917
Rolette	------	------	------	------	------	------	120	4,491
Sargent	------	------	2,400	4,400	7,610	40,900	29,360	54,693
Sheridan	------	------	------	------	------	------	3,500	4,929
Sioux	------	------	------	------	------	------	160	152
Slope	------	------	------	------	------	------	------	429
Stark	------	------	------	------	------	------	------	1,339
Steele	3,797	5,450	14,700	16,100	10,310	24,110	7,240	38,819
Stutsman	520	4,800	6,000	6,650	5,680	12,420	15,140	75,720
Towner	------	------	------	------	------	------	2,310	9,544
Traill	18,680	47,850	54,000	42,150	13,020	19,630	27,530	61,289
Walsh	1,730	3,920	8,550	9,250	5,580	18,540	17,080	52,061
Ward	------	------	------	------	------	------	160	13,940
Wells	------	------	3,000	1,600	------	4,460	7,920	69,213
Williams	------	------	------	------	------	------	70	5,436
Other Counties	2,340	5,005	6,360	7,400	7,310	9,380	------	-------
NORTH DAKOTA	112,460	243,420	368,710	431,010	352,680	547,800	600,000	1,658,250

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.41

ALL HAY PRODUCTION BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Tons)

County	1970	1971	1972	1973	1974	1975	1976	1977
Adams	75.5	70.4	75.1	62.7	60.8	92.5	49.9	38.7
Barnes	88.6	103.5	89.4	79.5	102.4	114.9	67.9	80.5
Benson	75.5	70.0	71.9	98.3	96.3	103.8	90.4	52.6
Billings	56.9	46.5	51.8	41.0	35.0	40.3	30.7	29.0
Bottineau	75.1	61.9	65.1	67.6	77.5	65.8	69.6	56.9
Bowman	67.2	63.2	70.6	57.2	49.4	70.8	43.5	42.9
Burke	52.1	49.7	40.6	49.0	48.6	40.7	49.5	33.0
Burleigh	170.3	198.0	159.9	106.8	172.0	206.5	129.2	62.4
Cass	95.6	94.9	61.3	73.9	80.1	75.1	60.9	64.8
Cavalier	38.1	41.5	43.9	45.3	35.4	40.2	37.2	33.6
Dickey	124.6	134.7	175.6	83.5	138.8	158.6	93.1	94.2
Divide	37.6	41.3	38.0	57.6	44.7	41.1	59.8	38.3
Dunn	178.9	182.9	177.3	137.3	137.2	183.4	101.3	74.6
Eddy	63.1	61.5	64.7	51.8	69.1	75.8	43.9	42.2
Emmons	177.2	205.8	194.0	130.6	138.1	197.1	77.8	119.6
Foster	52.3	64.6	50.5	35.8	55.1	40.1	29.5	36.2
Golden Valley	33.3	36.0	34.9	28.5	27.5	41.9	35.3	12.5
Grand Forks	69.7	58.4	54.3	67.7	57.2	59.8	51.8	46.4
Grant	143.6	165.0	183.6	142.4	131.1	216.8	159.1	119.4
Griggs	48.3	61.0	58.2	65.3	56.2	55.1	35.3	39.7
Hettinger	74.1	66.6	77.0	65.2	76.3	91.1	73.5	52.4
Kidder	184.2	215.3	211.9	130.0	201.3	197.5	123.1	80.9
La Moure	102.0	111.1	114.1	76.5	125.9	148.2	94.8	76.2
Logan	125.7	148.0	132.6	96.7	127.3	142.5	76.7	104.7
McHenry	171.9	174.3	209.9	196.1	205.7	205.4	217.5	159.7

TABLE 8.41--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	130.6	154.0	157.4	107.6	127.2	166.4	77.2	81.4
McKenzie	102.5	89.1	113.0	119.6	109.6	122.5	100.9	63.0
McLean	131.5	125.7	150.8	104.5	122.5	112.6	132.9	88.5
Mercer	101.1	97.4	96.5	95.4	76.8	90.3	45.9	31.0
Morton	217.4	213.7	244.8	158.2	190.4	245.5	216.6	114.4
Mountrail	106.6	91.3	108.9	107.8	95.7	84.6	108.0	73.9
Nelson	55.5	50.8	43.0	43.3	55.2	51.8	38.6	31.7
Oliver	104.5	93.7	102.0	53.4	67.2	96.0	75.6	41.5
Pembina	36.5	38.2	29.2	33.7	33.8	28.5	31.6	21.9
Pierce	83.4	76.3	102.1	81.7	84.0	70.3	95.1	71.4
Ramsey	30.5	29.7	26.5	45.4	33.3	36.3	22.8	18.9
Ransom	84.2	90.9	90.8	93.3	94.7	88.2	77.7	73.4
Renville	23.9	23.6	25.2	31.4	30.0	41.4	29.6	16.1
Richland	106.1	100.9	87.8	119.9	99.1	94.1	73.2	103.2
Rolette	51.8	49.1	50.4	64.3	68.1	69.2	68.3	59.5
Sargent	87.9	87.2	116.7	71.0	88.5	96.5	56.5	68.2
Sheridan	110.6	103.1	93.7	56.7	89.3	77.2	63.2	31.9
Sioux	56.0	68.0	86.5	49.8	56.9	63.7	30.4	19.0
Slope	50.6	62.3	76.5	50.6	45.1	70.7	31.9	22.8
Stark	144.7	136.5	183.4	145.4	133.5	174.2	131.2	95.2
Steele	21.9	22.7	28.6	26.7	27.1	31.4	23.8	26.0
Stutsman	192.6	220.5	201.4	139.4	221.2	241.8	176.2	201.2
Towner	26.0	30.2	28.8	29.2	26.1	30.8	30.5	14.7
Traill	42.5	37.5	35.3	23.0	31.1	26.2	23.9	36.5
Walsh	52.9	49.5	41.3	59.5	53.1	61.7	56.9	60.6
Ward	104.4	95.7	108.0	96.4	123.1	135.5	117.9	87.0
Wells	73.9	80.9	87.0	65.0	81.8	62.4	63.2	35.6
Williams	89.5	72.4	79.2	78.1	93.6	93.2	75.1	49.1
NORTH DAKOTA	4,801.0	4,917.0	5,101.0	4,197.0	4,707.0	5,268.0	3,976.0	3,229.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

TABLE 8.42

MILK COWS ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, 1970-1979

County	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979*
Adams	1,200	1,200	1,100	1,000	1,100	1,100	1,100	1,100	1,000	900
Barnes	3,400	3,500	3,300	3,100	2,700	2,600	2,500	2,300	2,100	1,900
Benson	2,300	2,100	1,900	1,800	1,800	1,700	1,600	1,500	1,400	1,300
Billings	900	900	800	700	500	600	500	400	300	300
Bottineau	1,400	1,300	1,200	1,200	1,100	900	900	800	800	700
Bowman	800	700	700	700	600	500	500	500	500	400
Burke	700	600	500	500	500	600	700	700	600	600
Burleigh	3,600	3,300	3,100	3,000	2,600	2,700	2,500	2,400	2,100	1,900
Cass	2,500	2,100	2,200	2,000	1,700	1,700	1,700	1,600	1,400	1,200
Cavalier	1,500	1,500	1,300	1,200	900	700	600	600	500	400
Dickey	2,200	1,900	1,700	1,500	1,900	2,300	2,300	2,300	2,300	2,200
Divide	600	500	500	500	400	400	300	300	300	300
Dunn	3,600	3,300	3,100	3,000	2,900	2,700	2,800	2,700	2,700	2,400
Eddy	1,100	1,000	1,000	1,100	1,100	1,000	900	900	900	900
Emmons	7,400	6,900	6,600	6,600	6,600	6,400	5,800	5,300	5,300	5,000
Foster	1,100	1,100	1,000	1,100	800	1,000	800	700	600	500
Golden Valley	800	800	700	700	900	1,100	1,100	900	900	900
Grand Forks	1,600	1,500	1,600	1,600	1,500	1,300	1,200	1,100	1,300	1,200
Grant	5,000	4,700	4,900	4,700	4,700	4,300	4,200	4,000	4,100	4,100
Griggs	1,400	1,200	1,200	1,100	1,100	1,100	1,000	1,000	900	900
Hettinger	2,500	2,400	2,300	2,200	2,100	2,300	2,400	2,200	2,200	200
Kidder	4,100	3,900	3,800	3,600	3,600	3,500	3,600	3,500	3,300	3,200
La Moure	4,900	4,700	4,300	4,300	4,600	4,600	4,500	4,400	4,300	4,200
Logan	5,600	5,500	5,300	5,500	5,800	4,500	4,600	4,400	4,200	3,900
McHenry	4,700	4,400	4,200	3,900	3,800	3,600	3,500	3,400	3,200	3,000
McIntosh	5,500	5,300	5,000	4,800	5,100	4,800	4,800	4,600	4,600	4,400
McKenzie	1,000	900	900	800	700	700	700	600	600	500
McLean	3,300	2,900	3,000	3,200	3,100	3,000	2,900	2,700	2,700	2,500

TABLE 8.42--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977	1978*
Mercer	6,000	5,400	5,600	4,500	3,600	3,300	2,400	2,500	2,500
Morton	13,500	15,300	14,100	15,100	13,900	15,400	15,900	14,500	13,000
Mountrail	3,100	2,900	2,000	2,900	2,600	1,200	1,100	1,000	1,200
Nelson	1,900	1,500	2,300	2,500	3,000	2,800	3,500	3,900	5,000
Oliver	8,000	7,000	7,300	6,400	5,000	7,000	6,400	6,000	6,300
Pembina	7,700	6,600	1,600	2,000	6,800	8,500	7,300	8,400	8,800
Pierce	2,500	2,500	2,000	2,100	1,700	1,300	1,200	800	700
Ramsey	2,100	2,000	3,200	2,800	2,000	1,400	1,700	1,400	1,400
Ransom	21,400	14,500	11,700	12,000	11,800	13,700	12,000	11,500	12,400
Renville	2,200	2,000	1,400	1,300	1,500	1,300	1,100	1,000	1,100
Richland	52,000	48,000	46,000	46,800	32,100	35,600	32,500	31,000	30,000
Rolette	2,900	2,900	2,400	2,700	2,200	2,100	1,500	1,900	1,800
Sargent	23,300	17,200	16,600	19,100	17,500	20,000	17,800	17,200	18,700
Sheridan	1,300	1,600	1,100	1,700	1,600	1,900	1,600	2,100	2,000
Sioux	2,500	2,500	2,100	2,300	2,000	2,000	1,400	1,600	1,700
Slope	2,500	2,000	1,900	2,000	2,000	2,000	3,500	3,500	4,000
Stark	11,500	9,100	9,600	8,800	7,200	8,700	8,500	8,200	8,800
Steele	1,800	1,500	1,900	1,700	1,900	1,300	1,400	1,600	1,700
Stutsman	14,000	12,500	14,400	10,300	9,800	8,300	9,600	9,600	10,400
Towner	4,100	2,600	3,200	2,800	2,600	2,500	1,200	2,000	1,400
Traill	7,200	5,300	4,300	6,300	5,800	7,300	5,600	5,600	6,200
Walsh	4,900	5,000	5,500	6,200	5,400	8,900	7,500	7,300	8,600
Ward	5,000	5,500	5,000	5,000	3,700	4,800	3,300	3,600	4,000
Wells	4,700	3,500	2,400	4,000	3,500	3,900	3,000	2,900	3,600
Williams	2,200	2,200	2,300	2,200	2,400	1,800	1,700	1,500	1,600
NORTH DAKOTA	425,000	379,000	356,000	374,000	322,000	350,000	330,000	320,000	335,000
Total Value (In Thousands)	$5,372	$10,423	$14,240	$23,188	$14,812	$28,525	$15,345	$20,160	$27,638

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.
* Preliminary.

TABLE 8.43

SHEEP ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, 1971-1979

County	1971	1972	1973	1974	1975	1976	1977	1978	1979*
Adams	6,600	6,000	6,000	5,300	5,300	4,400	5,100	5,700	5,600
Barnes	3,900	4,500	4,400	3,700	3,400	2,600	2,400	3,200	2,800
Benson	6,100	6,000	5,700	4,900	4,800	4,400	3,300	3,000	2,900
Billings	500	500	400	300	300	300	300	200	200
Bottineau	4,900	5,100	4,700	4,600	4,600	4,000	4,700	3,800	3,700
Bowman	30,400	31,000	35,000	43,700	31,800	28,100	25,700	19,500	16,900
Burke	4,000	4,000	4,000	4,000	3,900	2,800	3,500	2,500	2,500
Burleigh	6,600	5,700	4,000	2,500	1,900	1,400	1,700	2,200	2,200
Cass	29,100	25,800	22,400	16,400	11,400	9,000	8,900	8,900	8,000
Cavalier	2,000	1,800	1,300	800	700	800	600	800	700
Dickey	12,400	10,400	11,000	10,000	8,100	7,900	8,400	8,500	8,000
Divide	5,900	4,700	4,400	3,000	2,300	2,400	2,300	1,600	1,400
Dunn	2,900	3,000	3,000	2,700	2,700	2,900	2,500	2,000	2,200
Eddy	8,700	8,100	8,000	7,500	7,000	6,100	6,800	6,000	5,900
Emmons	1,500	1,300	1,600	2,000	2,500	2,600	2,400	2,400	2,100
Foster	5,400	5,700	6,600	6,000	5,500	4,200	4,000	3,400	3,100
Golden Valley	3,400	3,300	2,800	2,600	2,200	1,700	2,200	1,700	1,700
Grand Forks	9,700	9,000	8,000	6,800	5,300	3,900	4,700	4,100	3,700
Grant	6,000	6,200	7,000	7,400	7,800	8,100	7,600	8,000	7,600
Griggs	3,100	3,200	2,600	2,300	2,200	1,800	1,600	2,000	1,800
Hettinger	2,600	2,000	1,500	1,200	800	700	1,200	1,100	1,100
Kidder	16,800	16,000	14,000	10,000	9,900	10,000	10,500	10,500	10,000
La Moure	10,200	9,000	8,500	7,500	6,400	6,100	5,500	5,500	5,000
Logan	4,200	3,800	3,400	2,500	2,300	2,200	2,400	2,400	2,200
McHenry	4,400	4,600	4,000	3,300	3,200	3,400	3,200	3,200	3,200
McIntosh	2,200	1,500	1,600	2,400	2,100	2,400	1,900	2,100	2,000
McKenzie	53,600	50,000	44,000	37,300	27,800	21,800	25,900	17,500	15,000
McLean	5,200	4,800	4,000	3,500	3,300	2,400	2,000	2,100	2,100

TABLE 8.43--*Continued*

County	1971	1972	1973	1974	1975	1976	1977	1978	1979*
Mercer	2,200	2,300	2,300	2,300	2,300	1,800	1,300	1,700	1,700
Morton	5,800	6,000	6,600	6,000	5,800	5,000	5,400	6,000	5,900
Mountrail	5,200	5,400	5,500	5,500	5,500	4,900	4,500	4,200	4,100
Nelson	5,200	4,900	4,600	4,500	4,200	3,700	3,500	3,200	3,000
Oliver	2,800	2,900	2,000	1,900	1,600	1,100	1,600	2,000	2,300
Pembina	7,000	5,600	4,600	4,200	2,600	2,000	2,400	2,200	1,900
Pierce	3,400	3,400	2,800	2,200	2,100	2,200	1,800	1,600	1,500
Ramsey	5,600	5,600	4,500	3,300	2,400	1,800	1,900	1,900	1,800
Ransom	10,600	9,800	10,500	9,200	7,900	7,000	6,600	6,000	5,600
Renville	1,600	1,800	1,900	1,800	1,700	1,000	900	800	700
Richland	6,600	5,800	5,000	3,800	3,200	2,900	2,600	2,500	2,400
Rolette	4,200	4,000	3,800	3,100	3,000	2,200	2,700	2,700	2,600
Sargent	6,600	6,800	7,400	7,300	7,000	5,700	5,600	5,000	4,700
Sheridan	1,800	1,800	1,400	1,000	800	700	700	900	800
Sioux	1,200	1,100	1,200	1,300	1,100	1,000	1,000	1,000	900
Slope	4,800	5,200	5,200	5,400	5,600	4,800	5,300	3,100	3,000
Stark	3,900	4,100	4,400	4,000	3,800	3,500	3,300	3,200	3,000
Steele	4,600	4,600	4,000	3,400	3,000	2,700	3,600	3,600	3,200
Stutsman	19,700	17,900	16,100	14,500	12,100	8,800	11,000	9,400	8,000
Towner	8,600	6,800	5,300	4,800	4,000	2,900	3,000	2,500	2,200
Traill	5,500	5,000	4,000	3,700	2,000	1,500	1,900	1,900	1,800
Walsh	2,200	2,300	2,400	2,000	2,000	1,600	1,200	1,200	1,100
Ward	8,600	7,600	6,400	4,500	3,500	3,600	3,300	4,200	4,300
Wells	7,100	6,300	6,200	6,200	5,400	4,400	5,100	4,400	4,000
Williams	13,900	5,800	4,500	3,900	4,400	5,800	4,500	3,900	3,900
NORTH DAKOTA	415,000	389,000	366,000	330,000	276,000	231,000	236,000	213,000	198,000

SOURCE: U.S. Dept of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

* Preliminary.

TABLE 8.44

HOGS ON FARMS AS OF DECEMBER 1 BY NORTH DAKOTA COUNTY, 1970-1978

County	1970	1971	1972	1973	1974	1975	1976	1977	1978*
Adams	2,000	2,400	2,800	3,900	4,000	3,100	3,300	3,100	3,000
Barnes	13,000	11,100	9,600	10,800	12,800	15,700	16,600	14,300	16,500
Benson	3,400	2,700	2,000	2,500	4,000	5,100	6,600	5,000	4,500
Billings	1,000	1,000	800	900	700	800	700	600	600
Bottineau	2,300	2,000	2,200	2,400	2,800	3,700	3,000	2,500	3,100
Bowman	6,000	4,300	3,600	3,200	2,500	1,600	2,400	1,700	2,000
Burke	600	700	800	700	600	900	600	700	800
Burleigh	12,200	11,000	11,200	12,900	12,000	12,500	12,600	11,800	12,000
Cass	39,500	42,100	34,000	39,800	30,000	28,400	25,900	26,000	25,000
Cavalier	6,000	5,600	4,500	400	3,500	5,000	4,600	5,200	6,000
Dickey	2,900	19,300	18,000	15,800	14,000	19,400	18,100	17,600	19,200
Divide	17,300	4,100	3,000	2,600	2,500	2,500	2,300	2,400	2,500
Dunn	6,200	5,900	6,300	5,700	4,800	6,000	5,100	4,400	5,000
Eddy	1,100	900	1,100	2,200	1,700	1,800	1,400	1,200	1,200
Emmons	13,200	8,000	8,600	7,500	7,000	7,600	8,100	7,200	7,000
Foster	4,900	4,300	5,500	6,200	2,700	3,500	2,700	2,700	3,000
Golden Valley	6,500	5,300	5,200	4,800	4,100	4,300	3,100	4,300	3,900
Grand Forks	7,300	5,600	5,700	6,200	4,900	5,100	4,100	4,100	3,700
Grant	14,600	14,000	11,000	12,900	10,500	11,700	13,200	12,200	12,800
Griggs	3,500	3,400	2,700	3,800	2,800	2,500	3,000	2,700	2,900
Hettinger	8.500	6,000	6,700	7,800	6,000	7,700	7,800	8,000	8,800
Kidder	5,000	6,000	5,500	5,500	4,600	4,300	4,500	3,500	3,700
La Moure	12,000	9,600	11,100	1,400	9,000	11,200	9,900	12,000	13,000
Logan	3,000	1,800	1,600	1,900	1,400	1,300	1,400	1,500	1,600
McHenry	6,900	5,900	5,800	6,700	7,200	6,200	6,800	5,400	5,800
McIntosh	8,000	7,200	5,000	5,000	4,700	3,300	2,400	2,600	2,600
McKenzie	3,700	3,000	3,200	3,600	2,900	2,500	2,100	1,900	1,700
McLean	6,100	4,700	4,600	4,400	6,700	5,300	5,000	4,800	6,200

TABLE 8.44--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979*
Mercer	4,300	4,100	3,900	3,800	2,800	2,600	2,400	2,400	2,300	2,200
Morton	8,200	8,100	8,400	8,400	9,100	8,500	8,500	8,600	8,600	8,400
Mountrail	1,900	1,700	1,800	1,800	1,800	1,800	1,800	1,800	1,500	1,300
Nelson	1,500	1,400	900	1,100	1,100	1,100	1,000	1,000	900	800
Oliver	2,800	2,900	2,800	2,700	2,600	2,400	2,200	2,000	2,100	2,100
Pembina	800	700	600	500	500	500	500	400	400	300
Pierce	3,400	3,500	3,000	2,900	2,900	3,000	3,300	3,000	2,700	2,500
Ramsey	1,300	1,200	1,200	1,100	1,100	800	600	500	600	500
Ransom	2,300	2,100	2,000	1,800	1,400	1,200	1,300	1,200	1,100	900
Renville	800	700	700	700	800	1,000	1,000	900	900	800
Richland	4,300	4,100	3,700	3,500	3,100	3,200	3,400	3,500	3,100	3,100
Rolette	1,500	1,600	1,500	1,400	1,200	1,100	900	800	700	600
Sargent	2,400	2,200	2,000	1,900	1,800	1,900	1,900	1,800	2,000	200
Sheridan	3,400	3,100	2,800	31,000	2,600	2,400	2,200	2,100	1,800	1,700
Sioux	1,500	1,300	1,200	13,000	1,400	1,300	1,200	1,100	1,100	1,100
Slope	700	600	600	500	400	500	500	500	500	400
Stark	6,000	5,700	5,700	5,800	6,000	1,000	1,000	5,800	5,500	5,000
Steele	900	800	700	700	600	600	500	400	400	400
Stutsman	6,000	5,500	5,400	5,100	4,900	5,000	5,000	4,900	4,700	4,300
Towner	700	600	500	500	400	400	300	300	300	200
Traill	1,200	1,000	1,000	1,100	1,100	1,000	1,000	900	700	700
Walsh	1,800	1,700	1,500	1,400	1,100	1,000	1,000	1,000	1,000	900
Ward	4,500	4,500	4,200	4,200	4,200	4,100	4,000	3,900	3,500	2,900
Wells	3,000	2,800	2,600	2,500	2,400	2,300	2,000	1,800	1,800	1,600
Williams	1,100	100	800	800	700	600	500	500	600	600
NORTH DAKOTA	141,000	133,000	127,000	124,000	120,000	116,000	113,000	108,000	104,000	97,000

SOURCE: U. S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

* Preliminary.

TABLE 8.45

ALL CATTLE ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, 1970-1979
(In Thousands)

County	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979*
Adams	35	42	42	45	52	50	45	38	33	34
Barnes	46	51	52	58	59	58	56	46	40	41
Benson	38	40	43	41	45	46	41	41	35	30
Billings	31	33	36	40	40	37	33	32	31	31
Bottineau	23	26	28	28	31	33	28	27	24	23
Bowman	32	33	38	43	50	44	40	35	30	31
Burke	17	17	16	18	21	23	20	18	17	16
Burleigh	81	78	77	84	82	91	70	60	58	54
Cass	41	41	45	47	45	40	40	37	33	35
Cavalier	16	15	16	17	18	16	17	13	11	9
Dickey	60	61	66	68	76	74	78	72	66	65
Divide	18	18	18	19	20	23	18	19	18	17
Dunn	89	92	96	104	112	115	100	92	89	91
Eddy	23	24	27	28	28	29	27	23	22	22
Emmons	69	68	71	73	73	78	73	70	65	62
Foster	24	24	25	28	30	34	27	27	26	23
Golden Valley	24	27	29	29	36	36	26	25	21	22
Grand Forks	21	21	21	22	23	25	25	21	17	16
Grant	68	69	74	81	88	86	74	72	69	60
Griggs	22	23	23	25	30	30	23	20	20	19
Hettinger	35	39	38	38	42	43	33	33	33	31
Kidder	66	71	70	73	88	86	80	80	74	74
La Moure	53	53	58	60	59	66	60	50	47	46
Logan	52	53	52	54	56	58	57	56	54	51
McHenry	60	68	73	78	82	86	84	80	72	64
McIntosh	50	52	52	53	53	61	56	52	48	47
McKenzie	78	90	95	100	111	103	85	84	82	85
McLean	60	63	64	66	66	64	52	48	45	45

TABLE 8.45--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979*
Mercer	52	60	64	70	76	59	54	52	47	48
Morton	95	99	107	108	120	120	115	117	106	100
Mountrail	36	38	40	42	48	50	42	45	39	37
Nelson	17	17	17	17	19	22	21	18	16	15
Oliver	37	38	36	37	42	42	37	36	36	35
Pembina	13	12	11	11	13	14	14	12	11	11
Pierce	32	33	35	36	40	37	40	34	32	29
Ramsey	14	14	14	15	15	15	14	11	10	9
Ransom	43	46	46	47	56	31	49	48	46	46
Renville	9	10	11	12	13	15	12	11	10	9
Richland	48	64	63	64	66	63	64	48	44	41
Rolette	20	22	22	23	26	27	24	24	22	19
Sargent	45	48	50	52	60	54	66	56	50	47
Sheridan	34	37	37	40	40	38	34	38	29	29
Sioux	36	42	42	47	59	47	44	45	41	37
Slope	27	30	33	38	42	42	33	32	28	25
Stark	61	60	64	68	76	81	71	68	63	59
Steele	11	12	12	13	15	14	11	10	9	8
Stutsman	81	83	89	90	91	98	82	83	74	71
Towner	8	9	9	10	11	11	11	9	7	6
Traill	13	14	16	16	18	12	14	13	11	9
Walsh	19	20	21	20	23	24	22	23	21	20
Ward	45	49	52	52	58	62	51	6	43	39
Wells	35	37	40	42	45	44	40	43	36	36
Williams	37	43	43	45	47	58	47	42	39	38
NORTH DAKOTA	2,292	2,230	2,319	2,435	2,635	2,635	2,380	2,235	2,050	1,967
Total Value	$411,450	$434,850	$521,775	$669,625	$856,375	$461,125	$487,900	$469,350	$502,250	$924,490

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years.

* Preliminary.

TABLE 8.46

COMMERCIAL GRAIN STORAGE CAPACITY AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1960-1978

(Thousands of Bushels)

County	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Adams	1,481	1,838	1,783	1,745	1,841	1,841	1,799	1,790	1,542	1,560	1,690
Barnes	3,317	3,777	3,957	4,216	4,332	4,883	4,906	4,844	5,380	5,400	5,533
Benson	2,439	2,769	2,666	2,651	2,964	2,767	2,760	2,624	2,730	2,628	2,651
Billings	60	65	-------	-------	-------	-------	-------	-------	-------	-------	-------
Bottineau	3,488	3,989	3,689	3,646	3,748	3,748	3,763	3,469	3,196	2,676	3,309
Bowman	2,244	2,608	2,669	2,549	2,549	2,644	2,897	2,837	2,744	2,453	2,453
Burke	1,345	1,539	1,410	1,409	1,379	1,322	1,212	1,202	1,201	1,051	1,097
Burleigh	1,621	1,657	1,644	1,695	1,749	2,011	1,836	1,880	1,880	1,838	1,749
Cass	10,936	11,354	10,569	11,061	10,942	11,315	11,456	11,286	10,998	10,888	9,757
Cavalier	2,410	2,486	2,388	2,573	2,664	2,658	2,689	2,623	2,366	2,115	2,238
Dickey	2,359	2,393	2,255	2,283	2,334	2,394	2,548	2,498	2,470	2,481	2,421
Divide	1,284	1,823	1,472	1,582	1,592	1,593	1,531	1,529	1,467	1,444	1,439
Dunn	721	920	993	922	899	809	823	823	660	679	668
Eddy	1,026	1,110	864	876	879	879	893	892	859	871	816
Emmons	1,258	1,486	1,509	1,504	1,519	1,551	1,459	1,437	1,282	1,391	1,431
Foster	2,795	3,028	2,760	3,100	3,401	3,351	3,359	3,359	3,213	3,267	3,325
Golden Valley	635	693	798	798	789	789	788	793	793	789	753
Grand Forks	12,463	13,734	13,605	13,564	13,425	13,746	13,850	13,822	13,658	13,644	13,382
Grant	1,119	1,073	1,057	924	1,049	1,049	1,162	948	901	875	907
Griggs	1,254	1,316	1,437	1,426	1,404	1,545	1,640	1,644	1,644	1,566	1,542
Hettinger	2,074	2,411	2,232	2,258	2,100	2,134	2,149	2,146	2,037	1,948	1,971
Kidder	984	1,074	1,138	1,187	1,168	1,205	1,275	1,132	971	869	941
La Moure	2,724	2,824	3,086	3,193	3,315	3,319	3,349	3,251	3,068	2,943	2,948
Logan	1,268	1,303	1,292	1,399	1,377	1,545	1,551	1,551	1,449	1,340	1,431
McHenry	2,590	2,941	2,612	2,703	2,801	2,830	2,688	2,222	2,367	2,318	2,378
McIntosh	1,181	1,296	1,287	1,310	1,099	1,168	1,113	1,022	915	843	783
McKenzie	1,077	1,385	1,439	1,458	1,467	1,442	1,579	1,463	1,571	1,548	1,548
McLean	2,741	3,391	3,453	3,542	3,536	3,348	3,334	3,389	3,359	3,419	3,590

TABLE 8.46--*Continued*

County	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Mercer	1,590	1,682	1,756	1,837	1,818	1,731	1,442	1,279	1,291	1,212	1,238
Morton	2,377	2,645	2,577	2,415	2,397	2,443	2,443	2,399	2,381	2,289	2,095
Mountrail	2,585	3,091	2,995	2,839	2,915	2,999	3,056	2,849	2,791	2,658	2,750
Nelson	2,852	2,884	2,934	3,022	3,137	2,991	3,149	3,120	2,970	2,856	3,069
Oliver	71	37	-------	-------	-------	-------	-------	-------	-------	-------	-------
Pembina	3,200	3,155	3,083	3,024	3,078	3,047	3,109	3,208	3,209	3,288	3,079
Pierce	1,200	1,164	935	1,007	940	1,160	1,159	1,097	1,050	1,046	988
Ramsey	3,835	4,275	4,004	3,965	4,046	4,008	4,485	4,231	4,281	4,095	4,133
Ransom	1,475	1,452	1,100	1,110	1,200	1,212	1,458	1,349	1,413	1,385	1,108
Renville	1,372	1,523	1,544	1,607	1,632	1,633	1,684	1,661	1,618	1,617	1,600
Richland	2,984	3,242	3,459	3,630	3,873	3,914	4,127	4,103	4,185	4,383	4,237
Rolette	1,042	1,153	1,037	1,042	989	923	1,053	1,023	947	963	826
Sargent	1,833	1,990	1,839	1,905	2,030	2,157	2,179	2,152	2,118	2,159	2,187
Sheridan	1,092	1,129	943	943	913	968	968	998	856	856	880
Sioux	195	199	170	170	170	170	170	160	160	160	170
Slope	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
Stark	2,965	3,410	3,206	3,107	2,928	2,983	3,123	3,074	2,920	3,006	3,064
Steele	1,721	2,006	1,763	1,763	1,879	1,934	1,719	1,727	1,669	1,472	1,435
Stutsman	7,917	8,291	9,139	9,276	9,292	9,255	10,762	10,618	10,226	12,110	12,396
Towner	2,505	2,651	2,385	2,337	2,194	2,265	2,259	2,275	2,200	2,196	2,194
Traill	3,877	4,193	4,144	4,475	4,571	4,734	4,865	4,776	4,817	5,006	4,481
Walsh	3,165	3,461	3,741	3,647	3,670	3,869	4,062	4,026	4,069	3,891	4,099
Ward	4,919	6,116	5,743	5,825	5,831	5,768	5,771	5,675	5,397	5,761	5,570
Wells	2,480	3,091	3,068	3,150	3,155	3,218	3,070	2,983	2,548	2,604	2,704
Williams	3,415	3,826	3,371	3,330	3,548	3,362	3,028	3,291	3,363	3,242	3,285
NORTH DAKOTA	129,561	142,949	139,000	141,000	142,528	144,630	147,600	144,550	141,200	141,100	140,069

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, various years, and North Dakota State University, Department of Agricultural Economics.

TABLE 8.47

NORTH DAKOTA SHIPMENTS FROM COMMERCIAL STORAGE BY COUNTY AND MODE OF SHIPMENT, 1976-1977* (Thousands of Bushels)

District & County	Hard Red Spring Wheat				Durum				Rye			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Burke	863	308	---	1,171	853	168	2	1,023	27	-----	---	27
Divide	771	181	---	952	2,801	338	38	3,177	11	2	---	13
Mountrail	758	83	6	847	4,431	372	30	4,833	32	3	---	35
Renville	1,101	541	18	1,660	1,177	233	28	1,438	22	48	---	70
Ward	1,672	1,885	39	3,596	4,900	1,162	55	6,117	10	64	---	74
Williams	3,643	851	10	4,504	2,422	565	25	3,012	58	9	---	67
Northwest	8,808	3,849	73	12,730	16,584	2,836	179	19,599	160	125	---	285
Benson	747	226	3	976	3,339	549	34	3,922	27	27	---	54
Bottineau	1,159	404	10	1,573	2,950	849	24	3,823	50	231	---	281
McHenry	2,265	1,043	5	3,313	755	387	8	1,150	57	100	---	156
Pierce	629	135	6	770	920	98	6	1,024	15	25	---	40
Rolette	86	113	---	199	1,093	341	14	1,448	11	14	---	25
North Central	4,886	1,921	25	6,832	9,056	2,223	88	11,367	160	397	---	557
Cavalier	1,800	834	17	2,651	3,146	690	46	3,882	71	-----	---	71
Grand Forks	2,958	2,460	25	5,443	406	195	4	605	9	8	---	18
Nelson	817	343	6	1,166	2,230	375	50	2,655	2	11	---	13
Pembina	4,161	2,424	29	6,614	169	58	---	227	26	23	---	49
Ramsey	1,404	480	11	1,895	5,239	539	80	5,858	8	2	---	11
Towner	284	82	10	376	3,340	466	57	3,863	9	6	---	16
Walsh	5,086	921	13	6,020	1,068	249	22	1,339	5	6	---	11
Northeast	16,509	7,545	111	24,165	15,597	2,571	260	18,428	131	58	---	189

TABLE 8.47--Continued

District & County	Hard Red Spring Wheat				Durum				Rye			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Dunn	732	284	6	1,022	9	14	3	26	4	1	---	5
McKenzie	2,046	162	2	2,210	281	67	---	348	1	1	---	2
McLean	2,164	1,476	4	3,644	3,153	164	22	3,339	88	27	---	115
Mercer	1,098	246	4	1,348	30	10	---	40	2	-----	---	2
West Central	6,040	2,169	17	8,226	3,473	255	25	3,753	96	28	---	124
Eddy	467	158	24	649	427	10	17	454	35	8	---	44
Foster	1,772	577	15	2,364	522	80	9	611	29	27	---	55
Kidder	615	115	---	730	223	37	---	260	37	23	---	60
Sheridan	559	817	---	1,376	147	104	---	251	-----	9	---	9
Stutsman	4,036	960	6	5,002	1,538	321	---	1,859	108	63	---	171
Wells	4,359	818	9	5,186	1,306	245	12	1,563	75	29	---	104
Central	11,808	3,445	54	15,307	4,163	797	38	4,998	285	159	---	444
Barnes	3,428	712	8	4,148	848	169	9	1,026	30	26	---	56
Cass	4,340	4,385	12	8,737	399	137	---	536	43	37	---	80
Griggs	1,380	734	11	2,125	247	84	7	338	3	-----	---	3
Steele	1,024	1,155	---	2,179	249	106	---	355	6	3	---	9
Traill	3,093	1,749	31	4,872	281	52	1	334	11	3	---	13
East Central	13,265	8,735	61	22,061	2,024	549	18	2,591	93	68	---	161
Adams	1,165	731	34	1,930	421	41	19	481	4	7	---	11
Bowman	1,031	1,284	13	2,328	364	19	---	383	-----	-----	---	-----
Golden Valley	229	1,051	---	1,280	117	358	---	475	-----	-----	---	-----
Hettinger	1,650	2,316	---	3,966	460	47	---	507	16	63	---	79
Stark	1,093	3,631	22	4,746	108	77	5	190	2	2	---	4
Southwest	5,168	9,014	70	14,252	1,471	543	24	2,038	22	71	---	93

TABLE 8.47--*Continued*

District & County	Hard Red Spring Wheat				Durum				Rye			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Burleigh	1,197	749	---	1,946	235	116	---	351	2	-----	---	2
Emmons	1,048	156	2	1,206	144	41	---	185	41	7	---	48
Grant	1,000	409	4	1,413	64	14	---	78	11	52	---	63
Morton	1,668	1,414	---	3,082	53	56	---	109	-----	4	---	4
Sioux	53	88	---	141	23	13	---	36	-----	1	---	1
South Central	4,965	2,817	6	7,788	519	241	---	760	54	64	---	118
Dickey	1,227	131	---	1,358	158	6	---	164	119	13	---	132
La Moure	2,800	611	27	3,438	586	238	23	847	204	109	---	313
Logan	1,171	666	3	1,840	304	121	---	425	27	50	---	76
McIntosh	594	61	---	655	88	39	---	127	5	17	---	22
Ransom	1,542	25	---	1,567	150	1	---	151	38	3	---	41
Richland	2,360	572	1	2,933	122	16	2	140	58	5	---	63
Sargent	1,081	192	4	1,277	278	15	---	293	142	9	---	151
Southeast	10,775	2,258	35	13,068	1,687	437	24	2,148	594	205	---	799
NORTH DAKOTA	82,224	41,753	452	124,429	54,574	10,452	656	65,682	1,595	1,175	---	2,770
NORTH DAKOTA (%)	66.1%	33.6%	0.4%	100.0%	83.1%	15.9%	0.1%	100.0%	57.6%	42.4%	---	100.0%

9.00

ENERGY AND RELATED MINERAL ACTIVITIES

Energy has become one of the most widely discussed topics of recent times. North Dakota residents have been perhaps more involved than most, as they have grappled with formulating public policies for intelligently developing the state's substantital energy resources. Energy information contained in this section provides perspective on the level and growth of energy production and consumption in North Dakota.

Energy production statistics reported here survey North Dakota's three primary energy resources: lignite, petroleum, and natural gas. Lignite production data comes from the North Dakota State Coal Mine Inspector's *Annual* and *Biennial Reports* and the *Annual Reports* of the Public Service Commission. Related data pertaining to collections and disbursements of the state Coal Severance Tax is provided by the office of the State Tax Commissioner from *Biennial Reports* and unpublished working papers. The source of data on petroleum and natural gas is the North Dakota Geological Survey, which maintains detailed production reports from which it publishes monthly and semi-annual reports for the State Industrial Commission. Oil and gas production tax data are from the North Dakota State Treasurer's *Oil and Gas Gross Production Distribution Reports*. Data on the generation, distribution, and consumption of electricity and natural gas are collected by the North Dakota Public Service Commission and published in its *Annual* and *Biennial Reports*. Gasoline and special fuels data are based on tax collections reported to the Motor Fuels and Miscellaneous Tax Section of the North Dakota Tax Department.

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TABLE 9.01

NORTH DAKOTA LIGNITE PRODUCTION, FISCAL YEARS, 1884-1978

Fiscal Year	Tons Produced	Fiscal Year	Tons Produced
1884*	35,000	1932	1,743,053
1885	25,000	1933	1,872,381
1886	25,955	1934	1,746,226
1887	21,470	1935	1,828,213
1888	34,000	1936**	1,704,983
1889	28,907	1937	2,184,927
1890	30,000	1938	2,142,061
1891	30,000	1939	2,176,841
1892	40,725	1940	2,165,181
1893	49,630	1941	2,347,258
1894	42,015	1942	2,474,006
1895	38,997	1943	2,694,600
1896	78,050	1944	2,515,823
1897	77,246	1945	2,485,469
1898	83,895	1946	2,610,544
1899	98,809	1947	2,817,768
1900	129,883	1948	2,954,363
1901	166,601	1949	2,970,300
1902	226,511	1950	3,212,534
1903	278,645	1951	3,280,847
1904	271,928	1952	3,160,676
1905	317,542	1953	2,911,552
1906	305,689	1954	2,806,474
1907	347,760	1955	2,979,725
1908	320,742	1956	3,042,517
1909	372,570	1957	2,809,213
1910	416,580	1958	2,325,545
1911	502,628	1959	2,430,162
1912	499,480	1960	2,522,691
1913	495,320	1961	2,557,498
1914	506,685	1962	2,850,607
1915	528,078	1963	2,520,619
1916	634,912	1964	2,520,743
1917	790,548	1965	2,758,112
1918	813,000	1966	3,067,119
1919	783,694	1967	3,945,428
1920	878,969	1968	4,413,458
1921	895,715	1969	4,390,276
1922	1,057,823	1970	5,001,828
1923	1,435,605	1971	5,821,076
1924	1,029,449	1972	6,343,769
1925	1,357,408	1973	6,798,607
1926	1,385,362	1974	7,183,364
1927	1,529,154	1975	7,111,427
1928	1,783,624	1976	10,710,234
1929	1,902,593	1977	12,071,139
1930	1,849,144	1978	12,928,033
1931	1,552,242		

SOURCE: North Dakota State Coal Mine Inspector, Biennial Report and Annual Report, various years, and North Dakota Public Service Commission, Reclamation and Siting Division.

* 1884 represents the first year that lignite production is recorded. It is almost certain that small amounts were mined for domestic uses prior to 1884.

** Data are for the period 11/1/35 to 6/30/36.

TABLE 8.47--*Continued*

District & County	Flax				Barley				Oats			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Burke	3	24	--	27	211	8	--	219	46	144	-----	191
Divide	4	-----	--	4	188	13	--	201	16	92	-----	109
Mountrail	8	8	--	17	263	19	--	282	34	83	-----	116
Renville	19	107	--	127	863	96	--	959	179	313	-----	492
Ward	6	268	--	274	1,233	39	--	1,272	177	1,072	-----	1,249
Williams	1	1	--	3	263	33	--	296	39	114	-----	153
Northwest	42	408	--	450	3,022	208	--	3,229	491	1,818	-----	2,309
Benson	12	160	--	172	2,888	315	--	3,203	85	90	-----	175
Bottineau	34	197	--	231	2,006	497	--	2,503	66	690	-----	757
McHenry	18	154	--	172	344	86	--	430	330	422	-----	752
Pierce	98	91	--	189	590	45	--	635	83	189	-----	272
Rolette	-----	29	--	29	754	236	--	991	27	98	-----	125
North Central	162	632	--	794	6,582	1,179	--	7,761	592	1,488	-----	2,081
Cavalier	4	31	--	35	3,252	3,234	--	6,486	101	215	38	354
Grand Forks	165	68	--	233	4,023	1,249	--	5,271	339	78	627	1,044
Nelson	19	83	--	103	1,247	681	--	1,927	181	78	-----	259
Pembina	11	15	--	26	2,759	1,670	--	4,428	265	98	21	387
Ramsey	43	105	--	148	4,452	880	--	5,332	92	63	145	300
Towner	6	8	--	15	2,218	368	--	2,586	41	48	-----	89
Walsh	54	41	--	95	2,608	1,999	--	4,607	257	46	-----	303
Northeast	304	352	--	656	20,558	10,081	--	30,639	1,277	627	830	2,734

TABLE 8.47--*Continued*

District & County	Flax				Barley				Oats			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Dunn	5	6	--	11	2	6	--	8	-----	6	-----	6
McKenzie	-----	-----	--	-----	77	54	--	131	-----	3	-----	3
McLean	9	269	--	279	136	65	--	201	23	384	-----	407
Mercer	5	12	--	18	------	6	--	5	16	4	-----	20
West Central	20	288	--	307	215	130	--	345	39	397	-----	436
Eddy	14	38	--	52	341	10	--	352	80	14	-----	95
Foster	31	82	--	113	222	184	--	406	83	60	141	284
Kidder	26	43	--	69	16	31	--	47	-----	1	36	37
Sheridan	2	67	--	69	105	46	--	151	26	105	-----	131
Stutsman	40	71	--	110	857	1,346	--	2,202	106	235	383	724
Wells	231	184	--	415	1,270	345	--	1,615	175	90	-----	265
Central	344	484	--	829	2,811	1,962	--	4,773	471	505	560	1,536
Barnes	100	70	--	170	1,844	1,409	--	3,253	187	80	3	270
Cass	14	78	--	92	4,676	3,063	--	7,739	458	125	113	696
Griggs	23	66	--	88	1,062	724	--	1,786	176	35	49	260
Steele	-----	75	--	75	1,073	2,062	--	3,135	35	66	2	103
Traill	4	61	--	64	4,207	2,321	--	6,528	378	193	-----	571
East Central	140	350	--	491	12,862	9,578	--	22,440	1,234	499	166	1,899
Adams	-----	23	--	23	------	43	--	43	-----	17	-----	17
Bowman	-----	15	--	15	36	39	--	76	-----	56	-----	56
Golden Valley	-----	-----	--	-----	------	7	--	7	-----	15	-----	15
Hettinger	8	29	--	37	78	50	--	128	3	107	-----	109
Stark	-----	24	--	24	17	29	--	46	4	23	-----	27
Southwest	8	91	--	98	131	169	--	300	7	218	-----	225

TABLE 8.47--*Continued*

District & County	Flax				Barley				Oats			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Burleigh	16	69	--	85	21	148	--	169	-----	103	-----	103
Emmons	47	153	--	201	5	10	--	16	41	6	-----	47
Grant	-----	6	--	6	10	16	--	26	-----	39	-----	39
Morton	3	29	--	32	2	23	--	25	17	20	-----	37
Sioux	-----	-----	--	-----	-----	2	--	2	-----	-----	-----	-----
South Central	66	257	--	323	38	199	--	237	58	168	-----	227
Dickey	15	110	--	125	94	248	--	342	102	45	13	160
La Moure	109	90	--	199	229	406	--	635	225	437	-----	662
Logan	53	185	--	239	8	51	--	59	3	65	40	108
McIntosh	72	176	--	247	2	9	--	11	-----	-----	-----	-----
Ransom	9	8	--	17	476	175	--	651	320	20	-----	339
Richland	5	43	--	47	876	437	--	1,314	638	28	-----	666
Sargent	5	56	--	61	265	225	--	490	258	129	44	431
Southeast	268	667	--	935	1,949	1,552	--	3,501	1,546	723	97	2,366
NORTH DAKOTA	1,354	3,529	--	4,883	48,168	25,058	--	73,226	5,715	6,443	1,653	13,813
NORTH DAKOTA (%)	27.7%	72.3%	--	100.0%	65.8%	34.2%	--	100.0%	41.4%	46.6%	12.0%	100.0%

SOURCE: U.S. Department of Agriculture, Statistical Reporting Service, North Dakota Crop and Livestock Statistics, annual summary for 1977 and revision for 1976 and North Dakota State University, Department of Agricultural Economics.

* Totals may not add due to rounding.

TABLE 8.48

FARMER COOPERATIVES: NUMBER, MEMBERSHIPS AND BUSINESS VOLUME, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1955-1975

Year	North Dakota				United States		
	Number of Cooperatives		Memberships	Net Business Volume** (Thousand $)	Cooperatives	Memberships (Thousands)	Net Business Volume** (Million $)
	Headquartered in State	Doing Business in State					
1955	533	552	255,660	$ 239,191	9,876	7,731	$ 9,769
1960	507	527	251,070	323,062	9,163	7,203	12,409
1965	508	530	257,060	364,222	8,329	6,826	15,608
1970	495	514	229,645	418,466	7,995	6,158	20,556
1971	634	652	234,435	436,820	7,797	6,147	21,665
1972	668	682	262,855	441,629	7,854	6,128	25,991
1973	671	685	262,445	739,413	7,755	6,105	35,366
1974	671	685	262,450	1,123,438	7,645	6,123	41,342
1975	664	556	201,387	1,216,593	7,535	5,906	40,104

SOURCE: U.S. Dept. of Agriculture, Agricultural Statistics, various years.

* Data are for calendar year shown or for the period of July 1 of year shown through June 30 of following year.

** Value at first level at which co-ops transact business for farmers. Adjusted for duplications resulting from inter cooperative sales.

TABLE 9.02

NORTH DAKOTA LIGNITE PRODUCTION (TONS) BY COUNTY, SELECTED FISCAL YEARS, 1950-1978

County	1950	1955	1960	1965	1970	1971	1972
Adams	64,053	15,077	19,141	22,461	14,165	5,338	19,891
Billings	764	---------	---------	---------	---------	---------	---------
Bowman	11,326	169,377	145,999	108,789	152,333	196,268	144,941
Burke	450,631	480,325	421,162	512,633	606,222	523,229	486,883
Burleigh	17,111	17,752	14,132	8,213	---------	---------	---------
Divide	265,883	292,898	233,319	---------	---------	---------	---------
Dunn	12,748	13,180	6,922	2,857	---------	---------	---------
Golden Valley	3,794	500	377	352	---------	---------	---------
Grant	23,847	25,817	26,175	20,331	8,955	7,256	5,537
Hettinger	14,261	13,649	7,374	3,300	---------	---------	---------
McKenzie	7,395	1,412	965	---------	---------	---------	---------
McLean	406,490	210,160	83,610	50,093	18,384	19,239	16,193
Mercer	1,192,096	1,018,221	1,004,440	1,385,371	3,674,295	2,492,018	2,438,847
Morton	31,637	29,301	24,253	19,972	7,360	5,255	221
Mountrail	2,590	150	---------	---------	---------	---------	---------
Oliver	7,938	7,494	10,445	7,333	1,893	2,037,571	2,710,530
Slope	340	---------	---------	---------	---------	---------	---------
Stark	117,333	90,502	35,775	77,493	120,966	120,812	122,911
Ward	557,102	582,292	484,415	534,763	389,473	410,400	392,615
Williams	25,195	11,618	4,187	4,151	7,782	3,690	5,200
TOTAL	3,212,534	2,979,725	2,522,691	2,758,112	5,001,828	5,821,076	6,343,769

TABLE 9.04

DISTRIBUTION OF COAL SEVERANCE TAX BY COUNTY AND BY FORMULA PERCENTAGES, FISCAL YEARS, 1976-1978

County	FY 1976	FY 1977	FY 1978
Adams	$ 353	$ 242	$ 4,455
Bowman	51,912	69,697	291,414
Burke	8,542	12,283	68,792
Grant	108	87	504
McLean	---------	---------	17,171
Mercer	106,021	148,735	675,890
Oliver	37,180	63,086	456,298
Stark	2,597	3,307	17,148
Ward	8,813	9,055	39,542

Formula Distribution	FY 1976	FY 1977	FY 1978
Total Counties	215,526 (5%)	306,493 (5%)	1,571,212 (20%)
Impact Office	1,508,685 (35%)	2,145,451 (35%)	2,749,622 (35%)
Land Board	1,293,159 (30%)	1,838,958 (30%)	1,178,409 (15%)
General Fund	1,293,159 (30%)	1,838,958 (30%)	2,356,818 (30%)
Total	$4,310,529	$6,129,859	$7,856,062

SOURCE: North Dakota State Tax Commissioner's Biennial Report, 1977. FY 1978 data calculated from North Dakota Tax Department working papers.

Note: Detail may not add to totals due to rounding.

TABLE 9.05

NORTH DAKOTA CRUDE OIL PRODUCTION, 1951-1978

Year	Production (Barrels)	Year	Production (Barrels)	Year	Production (Barrels)
1951	26,727	1961	23,671,115	1971	21,654,201
1952	1,603,555	1962	25,175,563	1972	20,624,199
1953	5,275,831	1963	25,030,102	1973	20,235,104
1954	6,024,947	1964	25,730,346	1974	19,696,849
1955	11,183,607	1965	26,345,778	1975	20,451,051
1956	12,755,580	1966	27,126,243	1976	21,724,690
1957	13,210,633	1967	25,314,759	1977	23,272,804
1958	14,259,279	1968	25,039,195	1978	24,815,577
1959	17,871,950	1969	22,706,384		
1960	21,992,945	1970	22,000,300		

SOURCE: North Dakota Geological Survey, Grand Forks, North Dakota.

TABLE 9.06

CRUDE OIL REFINED IN NORTH DAKOTA, 1955-1978

Year*	Runs to Stills (Barrels)	Year*	Runs to Stills (Barrels)	Year*	Runs to Stills (Barrels)
1955	2,523,458	1963	16,102,955	1971	18,311,020
1956	11,899,209	1964	16,510,724	1972	19,044,996
1957	12,735,432	1965	16,322,062	1973	18,084,524
1958	11,549,061	1966	17,490,515	1974	17,013,196
1959	13,985,838	1967	17,114,645	1975	17,655,924
1960	15,757,492	1968	18,580,994	1976	18,843,577
1961	15,532,541	1969	16,929,911	1977	18,697,088
1962	16,060,590	1970	18,186,331	1978	18,825,737

SOURCE: North Dakota Geological Survey, Grand Forks, North Dakota.

* Does not include data for Queen City Refinery (Dickinson) for 1955-1957. Post-1957 data includes statistics for Amoco Refinery (Mandan) and Westland Oil Refinery (Williston). Data since 1975 includes Northland Oil and Refining Co. (Dickinson).

TABLE 9.07

BARRELS OF PETROLEUM PRODUCED IN NORTH DAKOTA BY COUNTY, SELECTED YEARS, 1955-1978

County	1955	1960	1965	1970
Billings	228,525	478,461	1,252,388	1,800,894
Bottineau	351,490	2,293,743	2,679,714	2,802,373
Bowman	---------	53,229	706,300	748,731
Burke	109,022	3,963,098	3,393,368	1,866,775
Divide	---------	459,115	293,482	290,493
Dunn	---------	39,617	23,949	11,642
Golden Valley	---------	---------	---------	58,129
McHenry	---------	7,643	54,712	21,443
McKenzie	900,656	6,084,982	7,537,692	4,035,796
Mountrail	2,294,646	1,598,450	1,129,120	677,716
Renville	3,183	781,427	2,521,807	1,678,887
Slope	---------	---------	---------	44,714
Stark	5,362	8,317	103,714	1,966,394
Ward	---------	---------	7,246	359,487
Williams	7,290,723	6,209,749	6,642,290	5,636,826

County	1971	1972	1973	1974
Billings	1,675,293	1,855,830	2,221,269	2,074,291
Bottineau	2,843,809	2,940,971	2,841,908	2,634,399
Bowman	932,794	980,379	1,457,129	1,436,804
Burke	1,799,859	1,749,022	1,436,219	1,185,673
Divide	255,643	208,363	187,796	169,284
Dunn	15,376	11,583	2,697	695
Golden Valley	64,253	89,322	70,071	56,146
McHenry	17,171	19,788	19,898	14,842
McKenzie	4,287,350	3,980,787	4,056,917	4,441,058
Mountrail	502,721	446,520	380,714	341,774
Renville	1,665,434	1,766,660	1,755,821	1,581,198
Slope	128,803	120,854	104,339	85,136
Stark	1,721,476	1,241,100	915,081	1,050,078
Ward	662,122	458,427	297,719	231,084
Williams	5,082,110	4,754,593	4,487,526	4,394,387

County	1975	1976	1977	1978
Billings	2,115,634	2,078,355	2,183,053	3,074,811
Bottineau	2,485,724	2,448,742	2,421,466	2,448,378
Bowman	1,437,371	1,798,284	1,804,039	1,694,533
Burke	1,024,181	1,002,410	919,819	780,829
Divide	234,182	259,813	229,723	194,563
Dunn	43,505	96,370	985,672	1,647,103
Golden Valley	49,163	50,098	52,240	71,007
McHenry	19,307	19,477	20,486	14,176
McKenzie	4,257,177	4,659,329	5,466,176	6,668,692
Mountrail	303,754	250,874	226,118	167,626
Renville	1,801,356	2,038,301	1,799,187	1,619,133
Slope	79,468	76,413	93,141	76,168
Stark	1,908,833	2,082,054	2,058,179	1,786,166
Ward	174,944	142,348	121,329	103,356
Williams	4,516,452	4,721,822	4,892,176	4,469,036

SOURCE: North Dakota Geological Survey, working papers.

TABLE 9.08

NORTH DAKOTA NATURAL GAS PRODUCTION (WET GAS), 1964-1978

Year	Production (MCF)*	Year	Production (MCF)*
1964	38,902,616	1971	38,312,342
1965	42,510,950	1972	39,062,831
1966	46,404,759	1973	37,799,970
1967	46,167,447	1974	30,863,612
1968	47,012,458	1975	28,885,656
1969	42,801,006	1976	27,668,894
1970	40,837,884	1977	29,192,629
		1978	33,403,000

SOURCE: North Dakota Geological Survey, estimates from Gas-Oil ratios submitted semi-annually by producers.

* MCF--Thousand standard cubic feet.

TABLE 9.09

NATURAL GAS PROCESSED IN NORTH DAKOTA, 1954-1978

Year[1]	Gas Processed[2] (MCF)	Year[1]	Gas Processed[2] (MCF)
1954	1,371,523	1967	40,682,575
1955	10,379,404	1968	41,018,768
1956	11,669,466	1969	37,612,599
1957	13,994,595	1970	36,065,323
1958	14,391,876	1971	33,901,073
1959	14,960,430	1972	32,649,853
1960	17,583,538	1973	29,927,629
1961	16,490,063	1974	33,213,737
1962	25,355,554	1975	32,911,780
1963	33,886,694	1976	30,990,641
1964	36,867,034	1977	31,377,345
1965	39,755,412	1978	24,332,548
1966	42,538,208		

SOURCE: North Dakota Geological Survey, Grand Forks, North Dakota.

[1] Data for 1978 activity through October 31, 1978.

[2] Technically, data represent wet gas received by gas plants.

TABLE 9.02--*Continued*

County	1973	1974	1975	1976	1977	1978
Adams	12,474	15,583	25,476	14,021	26,420	22,175
Billings	---------	---------	---------	---------	---------	---------
Bowman	182,161	215,960	800,573	2,611,338	2,729,371	2,444,171
Burke	482,299	401,867	439,739	352,716	465,691	529,510
Burleigh	---------	---------	---------	---------	---------	---------
Divide	---------	---------	---------	---------	---------	---------
Dunn	---------	---------	---------	---------	---------	---------
Golden Valley	---------	---------	---------	---------	---------	---------
Grant	5,000	5,348	5,000	4,157	3,549	3,765
Hettinger	---------	---------	---------	---------	---------	---------
McKenzie	---------	---------	---------	---------	---------	---------
McLean	---------	---------	---------	---------	---------	214,427
Mercer	3,962,499	4,377,508	3,780,220	5,508,467	6,283,113	6,229,728
Morton	---------	---------	---------	---------	---------	---------
Mountrail	---------	---------	---------	---------	---------	---------
Oliver	1,563,446	1,473,185	1,553,215	1,659,757	2,079,844	3,024,322
Slope	---------	---------	---------	---------	---------	---------
Stark	163,366	117,522	158,447	141,906	124,757	131,260
Ward	417,732	567,351	339,417	419,522	341,938	313,154
Williams	9,630	9,040	9,340	14,207	16,456	15,521
TOTAL	6,798,607	7,183,364	7,111,427	10,726,091	12,071,139	12,928,033

SOURCE: North Dakota State Coal Mine Inspector, Biennial Report and Annual Report, various years, and North Dakota Public Service Commission, Reclamation and Siting Division.

TABLE 9.03

TONS OF COAL SEVERED IN NORTH DAKOTA AND TOTAL SEVERANCE TAX PAID BY COUNTY, FISCAL YEARS, 1976-1978

County	FY 1976		FY 1977		FY 1978	
	Tonnage	Total Tax	Tonnage	Total Tax	Tonnage	Total Tax
Adams	14,021	$ 7,059	8,937	$ 4,840	36,469	$ 22,273
Bowman	2,020,513	1,038,243	2,597,624	1,393,942	2,294,505	1,457,119
Burke	330,153	170,841	453,665	245,657	517,111	343,975
Grant	4,157	2,162	3,227	1,748	3,765	2,521
McLean	---------	---------	----------	---------	127,162	85,859
Mercer	4,117,785	2,120,425	5,546,839	2,974,707	5,255,383	3,379,566
Oliver	1,447,894	743,603	2,353,238	1,261,712	3,563,225	2,281,290
Stark	101,200	51,932	123,948	66,150	135,024	85,741
Ward	343,384	176,265	337,821	181,104	309,137	197,715
Total	8,379,107	4,310,529	11,425,299	$6,129,859	12,241,781	$7,856,062

SOURCE: North Dakota State Tax Commissioner's Biennial Report, 1977. FY 1978 data calculated from North Dakota Tax Department working papers.

TABLE 9.10

NET OIL AND GAS GROSS PRODUCTION TAX REVENUE COLLECTIONS BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1970-1978

(Gross Collections Less Refunds)

County	Fiscal Year				
	1970	1971	1972	1973	1974
Billings	$ 231,882.15	$ 213,422.30	$ 228,975.60	$ 279,547.71	$ 499,558.93
Bottineau	323,296.09	347,588.77	366,629.74	369,815.63	502,121.55
Bowman	72,750.83	139,620.72	126,379.28	150,720.56	276,665.25
Burke	288,604.54	259,986.33	291,712.86	257,017.25	294,133.48
Divide	42,318.57	42,915.38	36,901.94	33,000.52	41,988.24
Dunn	2,009.53	2,224.82	1,601.86	1,155.78	427.00
Golden Valley	6,395.12	7,527.19	9,590.55	11,305.60	11,314.97
McHenry	3,528.97	1,559.53	1,584.07	2,266.22	3,458.57
McKenzie	705,010.11	675,584.96	690,444.97	656,400.06	995,247.24
Mountrail	108,748.83	91,380.89	76,578.29	65,330.26	71,075.51
Renville	200,593.65	202,413.40	177,888.16	218,408.45	243,298.46
Slope	8,287.36	35,928.98	15,171.59	15,653.60	17,442.80
Stark	182,355.74	219,310.22	196,836.00	155,845.64	157,448.69
Ward	44,211.34	65,911.40	71,507.07	53,625.27	39,475.32
Williams	970,124.59	919,850.09	903,204.10	870,096.62	1,203,348.22
Penalty	1,600.00	200.00	220.32	100.00	675.00
Total	3,191,717.42	3,225,424.98	3,195,326.40	3,140,249.17	4,357,679.23

TABLE 9.10--*Continued*

County	Fiscal Year			
	1975	1976	1977	1978
Billings	$ 582,419.53	$ 727,644.33	$ 663,451.61	$ 981,888.19
Bottineau	716,746.13	694,907.83	798,723.36	876,771.04
Bowman	596,720.36	616,008.64	866,966.72	792,026.79
Burke	342,205.92	350,514.11	391,147.14	393,604.44
Divide	51,618.51	113,389.24	132,024.20	84,000.77
Dunn	411.51	35,505.57	57,710.59	813,781.08
Golden Valley	11,521.85	20,102.46	14,187.12	18,678.13
McHenry	7,346.96	8,653.75	11,739.49	8,678.07
McKenzie	1,694,111.52	1,681,996.69	2,058,674.56	2,976,305.47
Mountrail	85,171.01	94,236.39	82,532.45	85,477.81
Renville	518,076.01	672,113.02	840,414.52	719,219.92
Slope	23,495.37	25,453.64	23,717.59	38,005.01
Stark	473,449.49	1,020,750.26	1,048,402.05	938,405.15
Ward	59,243.44	33,908.51	33,788.73	30,520.52
Williams	1,664,135.52	2,067,189.87	2,254,967.22	2,359,278.40
Penalty	2,074.37	------------	------------	------------
Total	6,828,747.50	8,164,372.31	9,278,447.35	11,116,640.79

SOURCE: North Dakota State Treasurer, Oil and Gas Gross Production Distribution Report, various years.

Note: Revenue from gross oil and gas production tax is distributed between the producing county and state General Fund in the following manner: one-fifth of annual revenue is placed in State General Fund and the remaining four-fifths is distributed between the General Fund and the counties on a graduated basis as follows: first $200,000 (75% to County, 25% to General Fund), second $200,000 (50% to County, 50% to General Fund), and amounts over $400,000 (25% to County, 75% to General Fund). Within the county, 40% of funds are allocated to county road and bridge funds, 45% are allocated to county school districts, and 15% are allocated to incorporated cities.

TABLE 9.11

TOTAL GAS SALES BY COMPANY IN NORTH DAKOTA, SELECTED YEARS, 1950-1978
(In Thousand Cubic Feet)

Year	Montana-Dakota Utilities Co.[1]	Northern States Power Co.	Otter Tail Power Co.[2]	White Gas, Inc.[3]	Consumer's Gas Co.	Great Plains Natural Gas Co.	Minot Gas Co.[4]	Total[5]
1950	10,174,809	370,109	11,836	------	10,573	-------	76,055	10,643,382
1955	20,510,020	347,258	11,155	------	11,220	-------	45,941	20,925,644
1960	23,081,023	399,635	17,816	------	9,295	-------	------	23,508,540
1961	23,960,522	558,434	18,153	------	10,666	-------	------	24,546,404
1962	9,577,530	1,191,621	20,358	------	------	-------	------	10,780,509
1963	9,726,814	1,773,124	26,375	------	------	-------	------	11,526,313
1964	10,751,761	2,516,007	29,014	------	------	-------	------	13,296,842
1965	12,386,981	3,218,965	31,360	5,440	------	-------	------	15,642,746
1966	13,700,896	3,477,259	28,264	28,638	------	6,555	------	17,241,600
1967	12,665,876	3,965,094	29,128	28,901	------	100,233	------	16,789,232
1968	12,490,065	4,172,348	25,327	31,331	------	156,216	------	16,875,287
1969	13,682,663	4,410,959	27,203	27,842	------	186,110	------	18,334,777
1970	14,024,233	4,951,779	24,004	21,534	------	231,822	------	19,253,372
1971	14,315,240	5,144,475	8,794	22,403	------	254,366	------	19,745,274
1972	16,130,139	5,433,358	------	23,743	------	270,418	------	21,857,658
1973	15,826,984	5,379,763	------	22,066	------	266,473	------	21,495,286
1974	18,543,641	5,871,899	------	20,433	------	273,982	------	24,709,955
1975	19,641,192	5,526,465	------	22,140	------	287,598	------	25,477,395
1976	19,063,216	5,326,800	------	21,039	------	259,232	------	24,670,287
1977	18,456,280	4,914,882	------	21,282	------	259,721	------	23,652,165
1978	19,979,555	4,987,965	------	21,932	------	265,497	------	25,254,949

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] Data for 1961 and earlier include the entire Baker-Boudoin-Worland System.

[2] Gas operations discontinued February 21, 1971.

[3] Began operations November 15, 1965.

[4] Acquired by Montana-Dakota Utilities Co. June 10, 1955.

[5] Figures represent sales of all gas (i.e., natural gas, LPG, manufactured gas). Refer to Annual Reports cited above for specifics.

TABLE 9.13

NORTH DAKOTA ELECTRIC POWER GENERATION AND EXPORTATION, 1970-1978
(In Kilowatt Hours)

Year	KWH Generated	KWH Available For Export	Percent
1970	7,021,317,672	3,821,760,482	54%
1971	8,174,928,320	4,827,365,240	59
1972	8,763,536,790	5,103,029,119	58
1973	7,783,256,199	3,996,185,036	51
1974	8,476,046,550	4,415,374,941	52
1975	8,518,402,651	3,993,653,311	47
1976	10,450,128,134	5,547,086,787	53
1977	10,382,500,715	5,218,946,941	50
1978	12,856,497,958	7,132,915,921	55

SOURCE: North Dakota Public Service Commission Annual Reports, various years.

TABLE 9.14

ELECTRIC POWER CONSUMPTION IN NORTH DAKOTA,
1970-1978 (In Megawatt Hours)

Year	Investor Owned Utilities	Rural Electric Co-ops	Municipal	Line Loss (14%)	Total Consumption
1970	1,554,087	1,085,052	112,480	447,938	3,199,557
1971	1,638,699	1,127,401	112,804	468,659	3,347,563
1972	1,775,930	1,250,763	121,258	512,557	3,660,508
1973	1,849,698	1,278,114	129,074	530,185	3,787,071
1974	1,961,477	1,394,352	136,348	568,494	4,060,672
1975	2,185,306	1,558,384	147,594	633,465	4,524,749
1976	2,386,653	1,664,873	165,089	686,426	4,903,041
1977	2,524,092	1,752,161	164,403	722,898	5,163,554
1978	2,826,750	1,921,856	173,674	801,301	5,723,582

SOURCE: North Dakota Public Service Commission Annual Reports, various years.

TABLE 9.15

KILOWATT HOURS OF ELECTRICITY SOLD BY INVESTOR-OWNED UTILITIES AND RURAL ELECTRIC COOPERATIVES, SELECTED YEARS, 1930-1978

Year	Investor Owned Utilities (KWH Sold)	Rural Electric Cooperatives (KWH Sold)
1930*	80,085,396	-------------
1940	141,568,279	-------------
1950	439,513,486	142,178,415
1960	827,415,416	375,950,982
1965	1,146,161,610	778,481,303
1970	1,717,028,677	1,035,052,340
1975	2,398,746,321	1,553,383,992
1976	2,762,488,177	1,664,872,962
1977	2,830,384,367	1,752,160,799
1978	3,034,680,113	1,921,855,969

SOURCE: North Dakota Public Service Commission Biennial Reports, various years.

* 26 of 44 utilities reporting.

TABLE 9.12

AVERAGE GAS SALES (MCF)[1] TO NORTH DAKOTA CUSTOMERS BY CUSTOMER CLASS, BY COMPANY, SELECTED YEARS, 1940-1978

	Type[2]	Residential	Commercial	Industrial	Inter-departmental	Sales to Public Authorities
1940	A					
Central Elec. & Telephone		13.20	48.90[3]		----------	--------
Minot Gas		17.10	97.60		----------	--------
Montana-Dakota Utilities		129.00	829.30		----------	--------
Northern States Power, Fargo		18.90	100.60		----------	46.80
Northern States Power, Gr. Forks		19.20	88.00		----------	--------
Wahpeton Gas		25.10	34.40		----------	--------
1950						
Consumers Gas	LP	30.35	247.06		----------	--------
Minot Gas	LP	25.98	973.44		----------	--------
Montana-Dakota Utilities	LP	33.32	80.94		----------	-----
Montana-Dakota Utilities	N	223.98	817.59	9,790.13	119,229.50	--------
Northern States Power, Fargo	M	21.92	226.11		----------	--------
Northern States Power, Gr. Forks	LP	13.87	99.58		----------	--------
Otter Tail Power	LP	11.44	92.02		----------	--------
1960						
Montana-Dakota Utilities	N	174.04	829.37	16,594.82	35,154.00	--------
Northern States Power	All Gas	24.30	194.85		----------	--------
Consumers Gas	LP	46.52	170.70		----------	--------
Montana-Dakota Utilities	LP	36.55	157.43	1,332.67	----------	--------
Otter Tail Power	LP	26.46	180.65		----------	--------
1965						
Montana-Dakota Utilities	N	181.12	973.13	15,976.40	21,244.00	--------
Northern States Power	N	68.82	1,601.13		----------	--------
White Gas	LP	6.20	19.96	----------	----------	--------
Montana-Dakota Utilities	LP	36.03	167.40	1,131.75	----------	--------
Otter Tail Power	LP	40.27	431.57		----------	--------

TABLE 9.12--*Continued*

	Type[2]	Residential	Commercial	Industrial	Inter-departmental	Sales to Public Authorities
1970						
Montant-Dakota Utilities	N	201.70	1,418.29	134,404.86	385,319.00	--------
Northern States Power	N	131.96	1,635.20		----------	--------
Great Plains Natural Gas	N	143.89	822.12	----------	----------	3,049.71
White Gas	LP	58.52	244.94	----------	----------	--------
Montana-Dakota Utilities	LP	60.30	370.80	----------	----------	--------
Otter Tail Power	LP	55.48	417.00	----------	----------	--------
1975						
Montana-Dakota Utilities	N	185.88	1,634.00	222,571.40	162,295.00	--------
Northern States Power	N	128.37	1,399.39		----------	--------
Great Plains Natural Gas	N	144.84	647.03	----------	----------	1,491.82
White Gas	LP	46.60	381.94	----------	----------	--------
1976						
Montana-Dakota Utilities	N	173.11	1,528.06	204,435.60	44,185.00	--------
Northern States Power	N	124.28	1,276.92		----------	--------
Great Plains Natural Gas	N	130.71	601.75	----------	----------	1,028.75
White Gas	LP	43.47	358.50	----------	----------	--------
1977						
Montana-Dakota Utilities	N	166.42	1,348.48	163,361.50	46,325.00	--------
Northern States Power	N	114.95	1,151.50		----------	--------
Great Plains Natural Gas	N	127.15	605.34	----------	----------	1,269.05
White Gas	LP	45.26	368.31	----------	----------	--------
1978						
Montan-Dakota Utilities	N	179.10	1,457.38	130,714.00	22,121.00	--------
Northern States Power	N	120.23	1,155.36		----------	--------
Great Plains Natural Gas	N	132.21	706.64	----------	----------	--------
White Gas	LP	47.09	370.00	----------	----------	--------

SOURCE: North Dakota Public Service Commission, Annual Reports, 1940-1977.

[1] MCF--Thousand standard cubic feet. [2] A - Not available by type. LP - Liquified Petroleum. N - Natural Gas. M - Manufactured Gas. [3] Combined commercial and industrial.

TABLE 9.16

AVERAGE KWH ELECTRICITY SALES TO NORTH DAKOTA CUSTOMERS BY CUSTOMER CLASS, BY COMPANY, SELECTED YEARS, 1940-1978

	Residen-tial or Domestic	Rural	Commer-cial & Indus-trail	Public Street & Highway Lighting	Other Sales to Public Authorities	Sales to Other Electric Utilities
1940						
Central Elec. & Telephone	736	671	1,177	6,517	11,864	----------
Interstate Power	849	1,203	1,610	5,905	2,442	----------
Montana-Dakota Utilities	689	749	2,243	8,722	33,472	----------
Dakota Public Service	916	3,549	3,752	15,985	101,983	----------
Northern States Power, Fargo	1,036	3,966	8,505	279,570	192,916	----------
Northern States Power, Gr. Forks	948	1,789	3,709	46,838	97,031	----------
Northern States Power, Minot	1,144	6,424	5,222	110,782	657,300	----------
Otter Tail Power	1,000	1,495	2,605	5,754	7,666	----------
1950						
Montana-Dakota Utilities	1,982	3,742	8,334	26,451	67,881	12,195,540
Northern States Power, Fargo	2,007	3,897	15,628	257,833	235,297	----------
Northern States Power, Gr. Forks	1,970	3,180	9,833	114,804	153,233	2,150,700
Northern States Power, Minot	2,053	8,081	11,069	141,900	1,178,732	----------
Otter Tail Power	2,104	3,880	5,641	11,361	46,119	1,306,093
1960						
Montana-Dakota Utilities	3,724	-----	13,910	65,085	125,883	23,622,051
Northern States Power	3,245	-----	23,488	341,618	215,929	3,596,400
Otter Tail Power	3,997	-----	8,538	29,107	50,516	508,832
1965						
Montana-Dakota Utilities	4,540	-----	19,857	98,612	130,467	----------
Northern States Power	4,831	-----	36,330	72,879	188,640	3,694,400
Otter Tail Power	5,160	-----	12,104	38,751	40,600	782,538

TABLE 9.16--*Continued*

	Residentail or Domestic	Rural	Commercial & Industrail	Public Street & Highway Lighting	Other Sales to Public Authorities	Sales to Other Electric Utilities
1970						
Montana-Dakota Utilities	5,522	-----	26,837	140,050	185,554	23,347,562
Northern States Power	6,170	-----	49,316	62,853	247,061	----------
Otter Tail Power	6,859	-----	18,410	47,725	34,347	9,289,942
1975						
Montana-Dakota Utilities	6,517	-----	35,924	158,069	208,763	9,744,977
Northern States Power	7,013	-----	64,151	68,751	262,637	----------
Otter Tail Power	8,511	-----	30,615	54,701	103,624	12,062,528
1976						
Montana-Dakota Utilities	6,735	-----	38,336	164,711	246,968	12,591,241
Northern States Power	7,372	-----	65,414	67,759	264,577	----------
Otter Tail Power	8,894	-----	36,215	56,277	66,318	26,518,591
1977						
Montana-Dakota Utilities	6,762	-----	39,866	173,200	291,270	9,443,109
Northern States Power	7,548	-----	67,174	68,966	265,063	315,826
Otter Tail Power	8,949	-----	38,816	58,149	48,008	18,258,832
1978						
Montana-Dakota Utilities	7,261	-----	43,567	178,089	319,242	----------
Northern States Power	8,129	-----	68,780	69,782	267,495	----------
Otter Tail Power	9,594	-----	48,740	59,288	42,560	23,103,325

SOURCE: North Dakota Public Service Commission, Annual Reports, 1940-1977.

TABLE 9.17

KWH ELECTRICITY SALES OF INVESTOR-OWNED UTILITIES IN NORTH DAKOTA BY COMPANY, SELECTED YEARS, 1940-1978

Company	1940	1950	1955	1960	1965
Montana-Dakota Utilities	11,051,576	123,156,583	183,022,543	273,674,397	343,794,079
Northern States Power	51,712,089	138,831,356	204,865,601	303,991,932	458,490,199
Otter Tail Power	47,896,434	180,525,747	179,719,348	249,749,087	343,877,332
Total	141,568,279*	439,513,686	567,607,492	827,415,416	1,146,161,610

Company	1970	1971	1972	1973	1974
Montana-Dakota Utilities	519,145,293	522,388,526	645,264,036	657,955,601	626,832,846
Northern States Power	634,557,500	665,831,036	727,492,373	750,640,580	793,653,941
Otter Tail Power	563,325,884	582,923,193	600,719,084	612,353,380	657,928,616
Total	1,717,028,677	1,771,142,755	1,973,475,493	2,020,950,061	2,078,415,403

Company	1975	1976	1977	1978
Montana-Dakota Utilities	714,921,993	814,444,389	829,307,198	761,852,176
Northern States Power	868,489,089	934,449,331	998,940,216	1,081,074,817
Otter Tail Power	814,835,239	1,013,594,457	1,002,136,953	1,191,753,120
Total	2,398,746,321	2,762,488,177	2,830,384,367	3,034,680,113

SOURCE: North Dakota Public Service Commission, Annual Report, various years, and unpublished data.

* Includes sales by Central Electric and Telephone Co., Interstate Power Company, and Dakota Public Service Co. (2,346,700, 857,412 and 27,703,748 KWH respectively).

TABLE 9.20

GASOLINE AND SPECIAL FUELS SALES, NORTH DAKOTA, FISCAL YEARS, 1953-1978
(In Gallons)

Fiscal Year	Gasoline Sales*	Special Fuels Sales**
1953	286,304,469	5,664,988
1954	299,816,127	5,433,217
1955	308,502,823	6,164,230
1956	307,439,133	60,061,128
1957	317,888,656	74,064,382
1958	322,886,117	81,010,932
1959	326,905,881	83,334,905
1960	301,234,847	228,022,918
1961	343,177,227	244,302,683
1962	316,309,734	275,198,329
1963	339,724,639	318,020,672
1964	343,070,390	320,975,503
1965	352,684,567	350,172,331
1966	363,599,906	337,761,381
1967	353,099,398	355,763,909
1968	362,552,926	363,458,450
1969	393,670,860	401,536,458
1970	362,161,413	379,163,880
1971	394,075,077	435,941,820
1972	426,963,979	451,583,481
1973	442,504,921	461,082,741
1974	438,432,343	453,498,844
1975	435,577,680	453,006,566
1976	471,705,286	487,954,811
1977	489,550,180	500,726,675
1978	492,275,804	538,480,476

SOURCE: North Dakota Tax Department, Motor Fuels and Miscellaneous Tax Section.

* Gross sales reported to North Dakota Tax Department.

** Variations in special fuels sales reported herein are attributable to changes in the special fuels law over the years. In 1955 the "user" type law was replaced by a "dealer" law whereby dealers became responsible for collecting and remitting tax. In 1959 a 2% tax was levied on fuel sold for heating, agricultural, or railroad purposes. Prior to July 1, 1959 such fuel was tax exempt. Caution must be exercised when comparing pre-1959 sales with subsequent years.

10.00

CONSTRUCTION

This section contains information on construction activity in North Dakota. The construction industry is important to monitor because its cyclical character greatly influences the overall level of economic activity in numerous other sectors of the economy and also because the pace of construction activity reflects the growth and replenishment of the state's private capital stock and social infrastructure.

The most important source of construction data in this section is a monthly report entitled ''Permit-Authorized Construction in Selected Permit-Issuing Places,'' prepared by the Construction Statistics Division of the U.S. Bureau of the Census. These photo copied reports, generated from computer files in the Census Bureau, provide detailed breakdowns of permit-authorized construction by type of building for most counties and certain cities in the state.

Historical summary data on the value of construction contracts, estimates of the number of households in North Dakota, and data comparing levels of construction activity among states has been obtained from the *Statistical Abstract of the United States*. Estimates of construction employment have been taken from data provided by the Commerce Department's Bureau of Economic Analysis in its *Regional Economics Information System* computer printouts. Benchmarck data on North Dakota housing stock and occupancy rates is reprinted from the *1970 Census of Housing*. Information on low-rent publicly subsidized housing comes from the *HUD Statistical Yearbook*, published by the U.S. Department of Housing and Urban Development.

Since inflation has been an important factor influencing the construction industry in recent years, limited data on construction costs have also been provided in this section. Indexes of the national average cost of various typically-used construction materials have been taken from the U.S. Commerce Department's *Construction Review*. The indexes reflect relative changes in cost over time, not absolute dollar costs. It should be further noted that these are national averages which may not adequately reflect local construction practices.

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TABLE 10.01

YEAR-ROUND HOUSING UNITS AND OCCUPANCY BY NORTH DAKOTA COUNTY, 1970

County	Total Population	Year-round Housing Units	Owner Occupied	Renter Occupied	Vacant Units
NORTH DAKOTA	617,761	200,334	124,190	57,423	18,721
Adams	3,832	1,314	899	301	114
Barnes	14,669	5,072	3,085	1,481	506
Benson	8,245	2,632	1,729	614	289
Billings	1,198	375	278	57	40
Bottineau	9,496	3,311	2,299	615	397
Bowman	3,901	1,362	955	249	158
Burke	4,739	1,802	1,225	285	292
Burleigh	40,714	12,961	7,870	4,299	792
Cass	73,653	24,075	13,434	9,236	1,405
Cavalier	8,213	2,858	1,922	546	390
Dickey	6,976	2,427	1,641	495	291
Divide	4,564	1,622	972	442	208
Dunn	4,895	1,554	1,075	241	238
Eddy	4,103	1,465	957	292	216
Emmons	7,200	2,163	1,591	322	250
Foster	4,832	1,601	1,045	360	196
Golden Valley	2,611	898	568	212	118
Grand Forks	61,102	18,066	8,656	8,319	1,091
Grant	5,009	1,626	1,232	218	176
Griggs	4,184	1,546	1,084	266	196
Hettinger	5,075	1,574	1,145	306	123
Kidder	4,362	1,495	1,084	184	227
La Moure	7,117	2,523	1,829	379	315
Logan	4,245	1,381	1,040	186	155
McHenry	8,977	3,174	2,125	587	462
McIntosh	5,545	1,970	1,512	250	208
McKenzie	6,127	2,085	1,389	415	281
McLean	11,251	3,934	2,534	819	583
Mercer	6,175	2,161	1,631	308	222
Morton	20,310	6,292	4,337	1,504	451
Mountrail	8,437	3,111	1,860	671	580
Nelson	5,776	2,189	1,474	406	309
Oliver	2,322	745	521	111	113
Pembina	10,728	3,728	2,567	712	449
Pierce	6,323	2,053	1,441	417	195

TABLE 10.01--*Continued*

County	Total Population	Year-round Housing Units	Owner Occupied	Renter Occupied	Vacant Units
Ramsey	12,915	4,321	2,628	1,214	479
Ransom	7,102	2,567	1,744	540	283
Renville	3,828	1,323	895	281	147
Richland	18,089	5,701	3,760	1,537	404
Rolette	11,549	2,987	1,781	928	278
Sargent	5,937	2,012	1,472	359	181
Sheridan	3,232	1,187	845	159	183
Sioux	3,632	938	516	308	114
Slope	1,484	473	322	81	70
Stark	19,613	5,741	3,733	1,550	458
Steele	3,749	1,369	855	320	194
Stutsman	23,550	7,619	4,744	2,170	705
Towner	4,645	1,622	1,027	382	213
Traill	9,571	3,437	2,240	808	389
Walsh	16,251	5,141	3,641	992	508
Ward	58,560	17,340	9,068	7,265	1,007
Wells	7,847	2,849	1,807	642	400
Williams	19,301	6,562	4,106	1,784	672

SOURCE: U.S. Department of Commerce, Bureau of the Census, 1970 Census of Housing.

TABLE 10.02

ESTIMATED NUMBER OF HOUSEHOLDS IN NORTH DAKOTA, SELECTED YEARS, 1930-1977

Year	Total Households
1930	145,000
1940	153,000
1950	162,000
1960	173,000
1970	182,000
1975	202,000
1976	211,000
1977	215,000

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

TABLE 10.03

VALUE OF CONSTRUCTION CONTRACTS IN NORTH DAKOTA, SELECTED YEARS, 1940-1977

Year	Total Value (Millions)
1940	$ 7
1945	7
1950	63
1955	85
1960	141
1965	127
1970	296
1971	189
1972	331
1973	297
1974	284
1975	865
1976	394
1977	727

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

TABLE 9.18

KWH SALES OF ELECTRIC DISTRIBUTION COOPERATIVES OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1950-1978

Electric Cooperative	1950*	1960*	1965	1970	1971	1972
Baker	5,947,675	24,406,214	37,415,498	54,474,263	58,359,592	62,549,913
Burke-Divide	754,036	10,183,019	27,189,929	31,547,830	34,259,612	40,610,454
Capitol	939,406	9,087,501	17,987,199	29,008,745	32,595,023	38,622,132
Cass County	11,050,464	40,514,082	65,223,210	94,305,880	98,227,770	114,468,128
Cavalier Rural	939,151	7,888,485	13,398,960	32,659,573	38,504,645	42,251,448
Goldenwest	1,074,968	2,294,272	2,792,497	3,467,825	3,618,959	8,185,248
James Valley	2,376,158	17,627,685	26,933,460	35,650,630	37,616,010	41,558,146
KEM	549,000	15,607,853	21,358,268	28,457,098	30,038,419	32,577,479
Lower Yellowstone Rural	NA	1,437,605	2,423,935	2,864,511	2,979,091	3,098,254
McKenzie	742,636	9,800,942	17,375,633	24,716,397	26,637,000	30,371,392
McLean	7,614,075	9,496,306	24,941,977	30,221,364	32,457,385	34,050,509
Mor-Gran-Sow	1,371,182	18,041,307	25,876,549	39,697,006	42,086,152	47,702,627
Mountrail	1,093,290	4,316,280	28,108,932	31,431,970	32,473,000	33,598,627
Nodak Rural	16,270,446	56,572,555	146,088,892	199,663,834	205,978,807	235,142,807
North Central	2,522,121	14,891,357	39,352,232	54,041,946	56,671,293	60,702,442
Oliver-Mercer	983,227	7,008,290	12,741,574	23,342,720	21,785,160	25,032,840
RSR	4,096,788	13,739,248	19,040,410	25,324,584	26,692,060	28,209,454
Sheridan County	415,057	3,594,172	2,585,990	4,205,740	4,130,679	3,736,886
Sheyenne Valley	3,138,913	12,525,865	27,453,758	51,715,377	51,411,093	53,729,052
Slope	996,858	12,024,719	17,103,151	23,936,903	25,361,985	28,032,279
Traverse	----------	-----------	142,910	360,412	193,190	200,680
Tri-County	3,863,314	22,229,452	36,102,065	46,269,035	47,649,518	52,569,555
Verendrye	5,205,797	37,229,794	127,000,000	151,999,207	148,305,133	156,210,209
West Plains	3,683,514	15,195,096	23,700,386	45,861,629	49,995,291	53,000,000
Williams	1,710,249	10,138,883	16,143,888	19,827,861	20,374,565	24,552,051
Total	77,338,325	375,950,982	778,481,303	1,085,052,340	1,127,401,432	1,250,762,612

TABLE 9.18--*Continued*

Electric Cooperative	1973	1974	1975	1976	1977	1978
Baker	64,996,877	72,928,528	77,576,423	81,552,547	84,273,638	89,665,103
Burke-Divide	36,385.092	37,042,290	37,235,763	38,143,945	39,142,020	41,499,492
Capitol	42,698,581	49,116,729	54,426,743	62,852,389	70,735,116	80,490,206
Cass County	125,306,651	141,849,964	161,287,417	184,072,619	198,678,367	223,425,933
Cavalier Rural	44,591,649	48,451,040	51,586,787	47.071,816	40,324,959	40,679,472
Goldenwest	8,304,070	4,330,702	4,529,940	4,554,551	4,688,923	4,955,182
James Valley	42,925,170	47,023,570	52,882,357	58,149,197	53,393,091	62,904,001
KEM	33,401,706	36,192,596	38,854,662	42,265,970	42,897,414	43,925,238
Lower Yellowstone Rural	3,061,220	4,957,144	5,109,396	5,311,216	5,842,237	7,103,234
McKenzie	29,586,715	34,162,000	38,276,000	40,448,000	44,657,985	57,210,000
McLean	34,255,424	37,945,090	40,339,066	42,555,368	53,600,028	64,453,390
Mor-Gran-Sow	49,287,804	54,114,481	60,933,208	64,412,158	69,607,137	69,276,851
Mountrail	33,358,365	35,427,715	33,776,642	34,551,119	35,370,135	38,171,432
Nodak Rural	238,359,659	244,745,682	285,255,215	302,307,118	323,159,656	352,839,240
North Central	61,340,550	66,496,275	70,685,592	73,964,339	77,043,177	87,101,400
Oliver-Mercer	26,255,520	31,926,080	44,995,530	54,954,540	62,832,860	66,127,575
RSR	29,009,845	40,123,227	62,786,166	68,225,500	66,181,000	81,615,569
Sheridan County	3,689,531	3,712,620	4,015,729	4,848,996	5,528,009	5,245,719
Sheyenne Valley	54,231,451	57,256,127	60,332,424	61,461,671	61,479,907	64,307,666
Slope	28,492,869	33,102,130	37,696,200	41,047,466	44,189,847	49,574,213
Traverse	204,520	232,550	254,470	256,490	338,560	384,520
Tri-County	53,715,360	59,641,983	65,906,042	71,434,629	74,674,652	79,569,809
Verendrye	154,849,960	161,381,651	169,225,002	171,463,669	176,285,019	184,634,857
West Plains	53,400,957	64,010,593	71,170,109	76,303,130	82,491,401	89,075,755
Williams	26,404,109	28,181,726	29,247,109	32,664,519	34,744,761	37,620,112
Total	1,278,113,655	1,394,352,493	1,558,383,992	1,664,872,962	1,752,169,799	1,921,855,969

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Data for 1950 and 1960 represent fiscal years.

NA Data not available.

TABLE 9.19

AVERAGE MONTHLY KILOWATT HOUR SALES PER CUSTOMER FOR ELECTRIC DISTRIBUTION COOPERATIVES OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1950-1978

Electric Cooperative	1950*	1960*	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Baker	191	462	704	1,026	1,092	1,158	1,176	1,306	1,391	1,435	1,470	1,547
Burke-Divide	92	487	1,252	1,343	1,461	1,735	1,567	1,559	1,553	1,594	1,628	1,726
Capitol	96	439	743	911	956	1,028	1,021	1,084	1,154	1,246	1,294	1,393
Cass County	178	514	768	1,089	1,123	1,271	1,355	1,466	1,620	1,771	1,838	1,979
Cavalier Rural	58	377	629	1,582	1,804	1,949	2,079	2,249	2,370	2,168	1,890	1,917
Goldenwest	274	482	595	696	721	1,601	784	806	835	827	878	864
James Valley	107	443	684	948	1,009	1,110	1,122	1,217	1,329	1,439	1,310	1,538
KEM	43	451	585	759	788	834	840	940	999	1,072	1,081	1,102
Lower Yellowstone Rural	NA	405	605	671	684	700	613	1,105	1,007	979	1,043	992
McKenzie	92	433	704	898	971	1,083	1,060	1,159	1,288	1,317	1,439	1,751
McLean	516	445	1,040	1,177	1,239	1,293	1,254	1,379	1,385	1,431	1,729	2,047
Mor-Gran-Sow	138	477	651	932	923	1,008	988	1,047	1,149	1,209	1,223	1,199
Mountrail	85	195	1,219	1,359	1,380	1,416	1,377	1,437	1,338	1,375	1,377	1,470
Nodak Rural	175	520	1,306	1,855	1,883	2,134	2,130	2,152	2,478	2,494	2,621	2,798
North Central	113	367	846	1,061	1,067	1,147	1,132	1,203	1,247	1,258	1,255	1,372
Oliver-Mercer	105	423	724	1,281	1,181	1,310	1,260	1,400	1,897	2,184	2,364	2,139
RSR	148	469	641	870	917	959	979	1,328	2,066	2,217	2,139	2,621
Sheridan County	144	1,077	792	1,313	1,266	1,149	1,126	1,121	1,[illegible]21	1,448	1,639	1,595
Sheyenne Valley	118	453	1,032	1,934	1,883	1,960	1,918	1,981	2,027	1,955	1,898	1,948
Slope	119	471	665	885	918	991	978	1,090	1,210	1,270	1,329	1,480
Traverse	----	-----	701	1,877	1,006	1,045	1,136	1,140	1,247	1,336	1,567	1,686
Tri-County	136	404	650	849	868	945	954	1,044	1,135	1,213	1,237	1,307
Verendrye	155	691	2,074	2,452	2,369	2,421	2,251	2,190	2,236	2,206	2,231	2,326
West Plains	273	573	838	1,508	1,622	1,671	1,631	1,882	2,025	2,103	2,188	2,272
Williams	115	557	825	857	871	1,013	1,064	1,146	1,170	1,228	1,270	1,287
All Cooperatives (Average)	157	478	941	1,273	1,301	1,413	1,393	1,487	1,625	1,683	1,722	1,838

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Data for years 1950 and 1960 represent fiscal years.

NA Data not available.

TABLE 10.04

VALUE OF CONSTRUCTION CONTRACTS IN THE UNITED STATES, NORTH DAKOTA AND SELECTED STATES, SELECTED YEARS, 1960-1976

States	1960	1965	1970	1971
	Millions of Dollars			
U.S. Total	$ 36,318	$ 49,272	$ 68,294	$ 80,188
NORTH DAKOTA	141	127	296	189
South Dakota	186	112	160	255
Minnesota	661	793	1,094	1,332
Montana	133	219	184	226
Wyoming	121	117	161	104
Nebraska	238	360	334	426

States	1972	1973	1974	1975
	Millions of Dollars			
U.S. Total	$ 90,977	$ 99,304	$ 93,685	$ 92,659
NORTH DAKOTA	331	297	284	865
South Dakota	210	244	239	275
Minnesota	1,339	1,745	2,051	1,667
Montana	273	516	322	393
Wyoming	361	271	360	229
Nebraska	611	683	703	747

States	1976			
	Total	Non-residential	Residential	Non-building
	Millions of Dollars			
U.S. Total	$ 107,158	$ 30,045	$ 43,651	$ 33,463
NORTH DAKOTA	396	75	211	110
South Dakota	373	124	139	110
Minnesota	1,997	694	898	405
Montana	391	111	149	132
Wyoming	1,611	71	84	1,455
Nebraska	960	196	311	453

SOURCE: Statistical Abstract of the United States, various years.

Note: Includes new structures and alterations to existing structures. Represents value of construction in States in which work was actually done.

TABLE 10.05

PERMIT-AUTHORIZED CONSTRUCTION BY TYPE FOR NORTH DAKOTA COUNTIES, 1978

County	New Residential		New Non-Residential		Additions & Alterations	
	Buildings	Cost ($000)	Buildings	Cost ($000)	Buildings	Cost ($000)
Adams*	---	$------	---	$------	---	$-----
Barnes	43	2,883	64	1,750	57	466
Benson	---	------	---	------	---	-----
Billings*	---	------	---	------	---	-----
Bottineau	27	1,118	22	601	42	174
Bowman	---	------	---	------	---	-----
Burke	---	------	---	------	---	-----
Burleigh	476	29,950	244	25,998	154	2,177
Cass	422	39,757	306	22,460	765	5,482
Cavalier	13	484	8	32	36	78
Dickey	24	1,167	23	314	61	213
Divide	---	------	---	------	---	-----
Dunn	18	673	5	112	10	60
Eddy	---	------	---	------	---	-----
Emmons	---	------	---	------	---	-----
Foster	9	654	13	586	18	82
Golden Valley	---	------	---	------	---	-----
Grand Forks	356	19,578	268	11,442	740	2,931
Grant	8	348	1	5	---	-----
Griggs	---	------	---	------	---	-----
Hettinger	5	189	32	373	41	175
Kidder	---	------	---	------	---	-----
La Moure	9	353	7	174	2	125
Logan	16	626	16	43	11	16
McHenry	---	------	1	4	---	-----
McIntosh	6	242	12	207	---	-----
McKenzie	---	------	---	------	---	-----
McLean	25	991	14	303	13	22
Mercer	135	6,804	47	4,321	79	318
Morton	272	13,064	117	2,889	80	647
Mountrail	14	438	29	35	41	142
Nelson	11	796	11	296	4	315
Oliver	---	------	---	------	---	-----
Pembina	1	40	2	4	3	34
Pierce	22	1,264	30	233	20	135

TABLE 10.05--*Continued*

County	New Residential		New Non-Residential		Additions & Alterations	
	Buildings	Cost ($000)	Buildings	Cost ($000)	Buildings	Cost ($000)
Ramsey	10	$ 689	46	$ 1,647	119	$ 587
Ransom	27	1,667	20	128	31	119
Renville	---	------	---	------	---	-----
Richland	33	2,024	24	1,159	103	395
Rolette	11	688	14	298	4	30
Sargent	---	------	---	------	---	-----
Sheridan	---	------	---	------	---	-----
Sioux	1	38	3	9	---	-----
Slope*	---	------	---	------	---	-----
Stark	314	15,100	106	10,594	32	355
Steele	---	------	---	------	---	-----
Stutsman	165	8,314	103	3,520	81	708
Towner	11	529	11	43	3	13
Traill	11	1,024	34	858	35	233
Walsh	17	913	32	1,346	86	435
Ward	266	11,053	221	4,440	244	1,419
Wells	8	350	8	162	13	64
Williams	152	7,642	85	3,939	95	653

SOURCE: U.S. Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit Issuing Places, 1978 Annual Data, photocopy.

* No data included in Construction Division Report.

Notes: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes inputed as well as reported data.

TABLE 10.06

PERMIT-AUTHORIZED RESIDENTIAL CONSTRUCTION BY TYPE OF DWELLING IN SELECTED PLACES BY NORTH DAKOTA COUNTY, 1977

County	Type of Dwelling						
	Single Family		Multi-Family			Total New Residential	
	Units	Cost ($000)	Bldgs.	Units	Cost ($000)	Units	Cost ($000)
NORTH DAKOTA	3,018	$121,737	463	3,467	$64,647	6,485	$186,384
Adams[a]	-----	-------	---	-----	------	-----	-------
Barnes	43	2,104	8	87	1,265	130	3,369
Benson	12	220	2	10	208	22	428
Billings[a]	-----	-------	---	-----	------	-----	-------
Bottineau	20	705	4	56	945	76	1,650
Bowman	25	861	---	-----	------	25	861
Burke	3	103	1	3	40	6	143
Burleigh	486	21,648	94	599	14,072	1,085	35,720
Cass	407	20,309	120	955	18,533	1,362	38,841
Cavalier	12	487	---	-----	------	12	487
Dickey	14	518	4	36	445	50	963
Divide	6	238	---	-----	------	6	238
Dunn	5	172	1	2	28	7	200
Eddy	17	564	---	-----	------	17	564
Emmons	11	417	---	-----	------	11	417
Foster	14	482	1	2	60	16	542
Golden Valley	10	306	---	-----	------	10	306
Grand Forks	414	14,345	76	604	9,643	1,018	23,988
Grant	2	60	---	-----	------	2	60
Griggs	4	121	---	-----	------	4	121
Hettinger	10	316	4	32	320	42	636
Kidder	4	152	---	-----	------	4	152
La Moure	9	271	4	28	358	37	629
Logan	14	516	1	8	140	22	656
McHenry	2	71	2	28	369	30	440
McIntosh	18	688	1	4	55	22	744
McKenzie	4	79	---	-----	------	4	79
McLean	45	1,833	5	34	1,305	79	3,138
Mercer	108	4,450	7	117	1,856	225	6,306
Morton	262	11,173	23	121	2,499	383	13,672
Mountrail	33	1,129	---	-----	------	33	1,129
Nelson	14	456	---	-----	------	14	456
Oliver	12	420	---	-----	------	12	420
Pembina	48	1,547	---	-----	------	48	1,547
Pierce	27	1,004	---	-----	------	27	1,004

TABLE 10.06--*Continued*

County	Type of Dwelling						
	Single Family		Multi-Family			Total New Residential	
	Units	Cost ($000)	Bldgs.	Units	Cost ($000)	Units	Cost ($000)
Ramsey	20	$ 675	4	70	$ 941	90	$ 1,616
Ransom	17	640	---	-----	------	17	640
Renville	8	246	3	8	230	16	476
Richland	49	1,797	11	104	1,230	153	3,027
Rolette	19	673	3	9	140	28	813
Sargent	11	385	---	-----	------	11	385
Sheridan	-----	------	---	-----	------	-----	------
Sioux	-----	------	---	-----	------	-----	------
Slope[a]	-----	------	---	-----	------	-----	------
Stark	264	9,570	15	177	2,906	441	12,476
Steele	4	175	---	-----	------	4	175
Stutsman	101	3,873	10	90	1,625	191	5,498
Towner	9	390	---	-----	------	9	390
Traill	17	679	4	28	485	45	1,164
Walsh	45	1,953	9	40	1,091	85	3,044
Ward	193	6,846	20	89	1,771	282	8,617
Wells	23	1,016	---	-----	------	23	1,016
Williams	123	5,052	16	126	2,087	249	7,139

TABLE 10.06--*Continued*

County	Type of Dwelling					
	Relocated Residential		Mobile		Res. Garages & Carports	
	Units	Cost ($000)	Units	Cost ($000)	Units	Cost ($000)
NORTH DAKOTA	(b)	$(b)	112	$531	1,031	$3,385
Adams[a]	--	--	---	---	-----	-----
Barnes	--	--	---	---	18	62
Benson	--	--	2	38	7	24
Billings[a]	--	--	---	---	-----	-----
Bottineau	4	50			7	20
Bowman	--	--	---	---	9	29
Burke	--	--	1	15	4	14
Burleigh	6	--	---	---	89	464
Cass	38	22	60	77	189	539
Cavalier	--	--	---	---	8	24
Dickey	4	43	---	---	13	29
Divide	--	--	---	---	-----	-----
Dunn	--	--	---	---	-----	-----
Eddy	5	42	2	27	13	36
Emmons	--	--	---	---	5	12
Foster	--	--	---	---	12	48
Golden Valley	--	--	---	---	-----	-----
Grand Forks	(b)	(b)	---	---	94	298
Grant	--	--	---	---	-----	-----
Griggs	1	15	---	---	1	5
Hettinger	--	--	---	---	10	20
Kidder	1	5	---	---	2	13
La Moure	--	--	---	---	14	32
Logan	1	1	1	7	9	21
McHenry	--	--	---	---	-----	-----
McIntosh	3	--	6	---	5	15
McKenzie	--	--	---	---	-----	-----
McLean	1	20	---	---	14	95
Mercer	1	14	7	47	4	8
Morton	2	60	11	114	54	159
Mountrail	--	--	7	65	1	2
Nelson	--	--	---	---	6	16
Oliver	1	25	---	---	-----	-----
Pembina	1	11	4	51	9	16
Pierce	--	--	---	---	5	12

TABLE 10.06--*Continued*

County	Type of Dwelling					
	Relocated Residential		Mobile		Res. Garages & Carports	
	Units	Cost ($000)	Units	Cost ($000)	Units	Cost ($000)
Ramsey	3	$16	1	$ 7	20	$ 65
Ransom	4	48	---	---	-----	-----
Renville	2	5	2	40	-----	-----
Richland	--	--	---	---	16	35
Rolette	--	--	---	---	3	8
Sargent	--	--	---	---	-----	-----
Sheridan	3	--	2	---	1	3
Sioux	--	--	---	---	-----	-----
Slope[a]	--	--	---	---	-----	-----
Stark	1	2	---	---	39	128
Steele	3	40	1	4	2	10
Stutsman	--	--	---	---	96	282
Towner	1	--	1	---	10	26
Traill	1	1	2	40	10	22
Walsh	2	14	---	---	26	97
Ward	6	10	2	---	144	496
Wells	--	--	---	---	4	13
Williams	23	15	---	---	58	190

SOURCE: U.S. Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1977 Annual Data, photocopy.

[a] No data included in Construction Division report.

[b] Deleted due to apparent error in data source.

Note: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes imputed as well as reported data.

TABLE 10.07

NEW NON-HOUSEKEEPING PERMIT-AUTHORIZED CONSTRUCTION BY TYPE IN SELECTED PERMIT-ISSUING PLACES BY NORTH DAKOTA COUNTY, 1977

County	Type of Construction						
	Hotels, Motels, Tourist Accom.			Amusement & Rec. Bldgs.		Churches & Other Rel. Bldgs.	
	Bldgs.	Units	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
NORTH DAKOTA	34	455	$6,304	14	$1,433	20	$4,548
Adams[a]	--	---	-----	--	-----	--	-----
Barnes	--	---	-----	--	-----	--	-----
Benson	--	---	-----	--	-----	--	-----
Billings[a]	--	---	-----	--	-----	--	-----
Bottineau	--	---	-----	--	-----	--	-----
Bowman	2	47	430	1	25	--	-----
Burke	--	---	-----	--	-----	--	-----
Burleigh	1	---	225	--	-----	4	963
Cass	1	60	390	3	772	1	650
Cavalier	1	14	40	--	-----	1	133
Dickey	--	---	-----	--	-----	1	145
Divide	--	---	-----	--	-----	--	-----
Dunn	1	18	230	--	-----	--	-----
Eddy	--	---	-----	--	-----	1	335
Emmons	--	---	-----	--	-----	--	-----
Foster	--	---	-----	1	16	--	-----
Golden Valley	--	---	-----	--	-----	--	-----
Grand Forks	1	21	210	1	165	4	801
Grant	1	10	120	--	-----	--	-----
Griggs	--	---	-----	--	-----	--	-----
Hettinger	--	---	-----	--	-----	--	-----
Kidder	--	---	-----	--	-----	--	-----
La Moure	--	---	-----	--	-----	1	210
Logan	--	---	-----	--	-----	--	-----
McHenry	--	---	-----	--	-----	--	-----
McIntosh	--	---	-----	--	-----	--	-----
McKenzie	--	---	-----	--	-----	--	-----
McLean	1	24	250	--	-----	--	-----
Mercer	1	50	800	1	30	1	486
Morton	4	---	44	1	25	1	300
Mountrail	--	---	-----	--	-----	--	-----
Nelson	--	---	-----	--	-----	1	40
Oliver	--	---	-----	--	-----	--	-----
Pembina	--	---	-----	--	-----	--	-----
Pierce	--	---	-----	--	-----	--	-----

TABLE 10.07--*Continued*

County	Type of Construction						
	Hotels, Motels, Tourist Accom.			Amusement & Rec. Bldgs.		Churches & Other Rel. Bldgs.	
	Bldgs.	Units	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
Ramsey	7	2	$ 5	2	$ 319	--	$-----
Ransom	--	---	-----	--	-----	--	-----
Renville	--	---	-----	--	-----	--	-----
Richland	--	---	-----	--	-----	--	-----
Rolette	9	9	92	--	-----	1	250
Sargent	--	---	-----	--	-----	--	-----
Sheridan	--	---	-----	--	-----	--	-----
Sioux	--	---	-----	--	-----	--	-----
Slope[a]	--	---	-----	--	-----	--	-----
Stark	1	38	696	1	40	--	-----
Steele	--	---	-----	--	-----	1	25
Stutsman	--	---	-----	1	32	--	-----
Towner	--	---	-----	--	-----	--	-----
Traill	--	---	-----	1	4	1	190
Walsh	--	---	-----	1	5	--	-----
Ward	2	162	2,208	--	-----	1	20
Wells	--	---	-----	--	-----	--	-----
Williams	1	---	564	--	-----	--	-----

TABLE 10.07--*Continued*

County	Type of Construction							
	Industrial Bldgs.		Parking Garages		Gasoline & Ser. Stat.		Hospitals & Other Instit.	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
NORTH DAKOTA	122	$9,712	32	$2,148	20	$1,288	16	$11,278
Adams[a]	---	-----	--	-----	--	-----	--	------
Barnes	3	52	1	10	--	-----	--	------
Benson	---	-----	--	-----	1	5	--	------
Billings[a]	---	-----	--	-----	--	-----	--	------
Bottineau	---	-----	--	-----	--	-----	--	------
Bowman	2	50	--	-----	--	-----	--	------
Burke	---	-----	--	-----	--	-----	--	------
Burleigh	2	947	--	-----	3	358	--	------
Cass	14	1,695	1	1,900	7	502	4	3,736
Cavalier	---	-----	1	4	--	-----	--	------
Dickey	---	-----	--	-----	--	-----	--	------
Divide	---	-----	--	-----	--	-----	--	------
Dunn	---	-----	--	-----	--	-----	--	------
Eddy	3	180	--	-----	--	-----	--	------
Emmons	---	-----	--	-----	--	-----	--	------
Foster	2	64	--	-----	--	-----	1	280
Golden Valley	---	-----	--	-----	--	-----	--	------
Grand Forks	17	1,709	--	-----	1	15	1	65
Grant	---	-----	--	-----	--	-----	--	------
Griggs	1	25	--	-----	--	-----	--	------
Hettinger	---	-----	--	-----	--	-----	--	------
Kidder	---	-----	--	-----	--	-----	--	------
La Moure	1	30	--	-----	--	-----	--	------
Logan	---	-----	--	-----	--	-----	--	------
McHenry	---	-----	--	-----	--	-----	--	------
McIntosh	---	-----	--	-----	--	-----	1	680
McKenzie	---	-----	--	-----	--	-----	--	------
McLean	1	50	--	-----	--	-----	--	------
Mercer	2	77	--	-----	--	-----	--	------
Morton	22	852	5	39	2	30	2	1,428
Mountrail	---	-----	--	-----	--	-----	--	------
Nelson	2	105	--	-----	--	-----	--	------
Oliver	---	-----	--	-----	--	-----	--	------
Pembina	1	60	--	-----	1	4	--	------
Pierce	---	-----	--	-----	2	71	1	150

TABLE 10.07--*Continued*

County	Type of Construction							
	Industrial Bldgs.		Parking Garages		Gasoline & Ser. Stat.		Hospitals & Other Instit.	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
Ramsey	1	$ 88	--	$-----	--	$-----	1	$ 542
Ransom	---	-----	--	-----	1	8	--	------
Renville	---	-----	--	-----	--	-----	--	------
Richland	6	983	--	-----	1	45	1	25
Rolette	1	3	--	-----	--	-----	--	------
Sargent	---	-----	--	-----	--	-----	--	------
Sheridan	---	-----	--	-----	--	-----	--	------
Sioux	---	-----	--	-----	--	-----	--	------
Slope[a]	---	-----	--	-----	--	-----	--	------
Stark	14	504	10	40	1	250	--	------
Steele	---	-----	--	-----	--	-----	--	------
Stutsman	11	1,017	--	-----	--	-----	1	11
Towner	---	-----	--	-----	--	-----	--	------
Traill	---	-----	8	39	--	-----	1	470
Walsh	11	478	--	-----	--	-----	--	------
Ward	4	724	1	100	--	-----	1	2,650
Wells	---	-----	--	-----	--	-----	1	1,241
Williams	1	20	5	15	--	-----	--	------

TABLE 10.07--*Continued*

County	Type of Construction					
	Office, Bank, & Prof. Bldgs.		Pub. Works & Utilities Bldgs.		Schools & Other Educ. Bldgs.	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
NORTH DAKOTA	59	$25,086	12	$1,394	7	$3,967
Adams[a]	--	------	--	-----	--	-----
Barnes	3	608	--	-----	--	-----
Benson	--	------	--	-----	--	-----
Billings[a]	--	------	--	-----	--	-----
Bottineau	--	------	--	-----	--	-----
Bowman	--	------	--	-----	--	-----
Burke	--	------	--	-----	--	-----
Burleigh	12	4,590	3	26	1	1,800
Cass	19	14,727	1	85	2	965
Cavalier	--	------	--	-----	--	-----
Dickey	1	462	1	76	--	-----
Divide	--	------	--	-----	--	-----
Dunn	--	------	--	-----	--	-----
Eddy	--	------	--	-----	--	-----
Emmons	1	95	--	-----	--	-----
Foster	--	------	--	-----	1	167
Golden Valley	--	------	--	-----	--	-----
Grand Forks	4	828	2	453	1	100
Grant	--	------	--	-----	--	-----
Griggs	--	------	--	-----	--	-----
Hettinger	1	100	--	-----	--	-----
Kidder	--	------	--	-----	--	-----
La Moure	1	105	1	75	--	-----
Logan	--	------	--	-----	--	-----
McHenry	--	------	--	-----	--	-----
McIntosh	--	------	--	-----	--	-----
McKenzie	--	------	--	-----	--	-----
McLean	--	------	--	-----	--	-----
Mercer	1	70	2	610	--	-----
Morton	1	632	1	25	--	-----
Mountrail	--	------	--	-----	--	-----
Nelson	--	------	--	-----	--	-----
Oliver	--	------	--	-----	--	-----
Pembina	--	------	--	-----	--	-----
Pierce	1	45	--	-----	--	-----

TABLE 10.07--*Continued*

County	Type of Construction					
	Office, Bank, & Prof. Bldgs.		Pub. Works & Utilities Bldgs.		Schools & Other Educ. Bldgs.	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
Ramsey	2	$ 110	--	$-----	1	$ 175
Ransom	--	------	--	-----	--	-----
Renville	--	------	--	-----	--	-----
Richland	1	310	--	-----	--	-----
Rolette	--	------	--	-----	--	-----
Sargent	--	------	--	-----	--	-----
Sheridan	--	------	--	-----	--	-----
Sioux	--	------	--	-----	--	-----
Slope[a]	--	------	--	-----	--	-----
Stark	3	364	--	-----	--	-----
Steele	1	199	--	-----	--	-----
Stutsman	1	709	--	-----	--	-----
Towner	--	------	--	-----	--	-----
Traill	--	------	--	-----	--	-----
Walsh	--	------	--	-----	--	-----
Ward	4	955	1	45	1	760
Wells	--	------	--	-----	--	-----
Williams	2	178	--	-----	--	-----

TABLE 10.07--*Continued*

County	Type of Construction					
	Stores & Other Merc. Bldgs.		Other Nonresidential Bldgs.		Structures Other Than Bldgs.	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
NORTH DAKOTA	185	$30,256	358	$1,487	260	$2,550
Adams[a]	---	------	---	-----	---	-----
Barnes	1	500	4	6	---	-----
Benson	1	12	---	-----	7	5
Billings[a]	---	------	---	-----	---	-----
Bottineau	2	80	---	-----	---	-----
Bowman	---	------	10	4	---	-----
Burke	---	------	1	(b)	---	-----
Burleigh	28	2,100	115	201	20	1,188
Cass	41	6,085	12	265	9	379
Cavalier	---	------	3	8	---	-----
Dickey	3	430	3	68	---	-----
Divide	---	------	---	-----	---	-----
Dunn	---	------	7	14	---	-----
Eddy	---	------	---	-----	---	-----
Emmons	1	58	4	2	---	-----
Foster	3	39	2	11	2	2
Golden Valley	---	------	---	-----	---	-----
Grand Forks	17	11,350	15	30	28	145
Grant	---	------	---	-----	---	-----
Griggs	---	------	---	-----	---	-----
Hettinger	1	28	5	2	1	1
Kidder	---	------	---	-----	---	-----
La Moure	2	560	---	-----	---	-----
Logan	---	------	5	16	2	1
McHenry	---	------	---	-----	---	-----
McIntosh	---	------	---	-----	---	-----
McKenzie	---	------	---	-----	---	-----
McLean	2	553	---	-----	---	-----
Mercer	4	300	18	25	131	301
Morton	9	953	15	9	8	52
Mountrail	1	36	5	1	17	5
Nelson	---	------	1	(b)	---	-----
Oliver	---	------	---	-----	---	-----
Pembina	1	250	13	140	3	1
Pierce	1	75	4	9	---	-----

TABLE 10.07--*Continued*

County	Type of Construction					
	Stores & Other Merc. Bldgs.		Other Nonresidential Bldgs.		Structures Other Than Bldgs.	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
Ramsey	6	$ 1,062	7	$ 61	8	$ 36
Ransom	1	40	---	-----	---	-----
Renville	---	------	---	-----	---	-----
Richland	5	808	1	30	---	-----
Rolette	3	192	---	-----	---	-----
Sargent	---	------	2	5	---	-----
Sheridan	---	------	---	-----	---	-----
Sioux	---	------	---	-----	---	-----
Slope[a]	---	------	---	-----	---	-----
Stark	8	926	---	-----	4	28
Steele	---	------	---	-----	---	-----
Stutsman	8	598	1	1	10	178
Towner	---	------	---	-----	---	-----
Traill	---	------	2	30	2	4
Walsh	4	54[illegible]	8	13	2	4
Ward	25	1,579	85	155	3	210
Wells	1	7	---	-----	---	-----
Williams	6	1,095	10	379	3	10

SOURCE: U.S. Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1977 Annual Data, photocopy.

[a] No data included in Construction Division report.

[b] Less than $500.

Notes: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes imputed as well as reported data.

TABLE 10.08

PERMIT-AUTHORIZED ADDITIONS AND ALTERATIONS TO BUILDINGS IN SELECTED PERMIT-ISSUING PLACES BY NORTH DAKOTA COUNTY, 1977

County	Houses and Apartments		Other Buildings	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
NORTH DAKOTA	2,538	$8,971	930	$ 9,751
Adams[a]	---	---	---	---
Barnes	32	188	33	233
Benson	5	32	4	46
Billings[a]	---	---	---	---
Bottineau	36	132	9	49
Bowman	4	29	7	139
Burke	2	14	1	([b])
Burleigh	145	632	61	1,882
Cass	468	2,118	202	1,912
Cavalier	31	108	2	31
Dickey	50	73	10	82
Divide	---	---	---	---
Dunn	3	28	5	32
Eddy	14	82	4	52
Emmons	7	46	4	15
Foster	17	75	3	6
Golden Valley	4	26	---	---
Grand Forks	760	1,997	149	1,007
Grant	---	---	---	---
Griggs	4	9	---	---
Hettinger	10	27	5	29
Kidder	7	17	4	2
La Moure	19	52	1	30
Logan	2	18	8	29
McHenry	---	---	---	---
McIntosh	9	27	7	14
McKenzie	---	---	---	---
McLean	12	42	15	95
Mercer	60	119	15	67
Morton	52	214	30	726
Mountrail	26	49	4	1
Nelson	---	---	---	---
Oliver	20	60	10	50
Pembina	27	75	14	38
Pierce	13	34	15	7
Ramsey	51	134	28	118
Ransom	27	104	13	34
Renville	18	91	---	---
Richland	67	259	65	170
Rolette	8	30	1	5

TABLE 10.08--*Continued*

County	Houses and Apartments		Other Buildings	
	Bldgs.	Cost ($000)	Bldgs.	Cost ($000)
Sargent	1	$ 12	---	$ ---
Sheridan	4	15	2	3
Sioux	---	---	---	---
Slope[a]	---	---	---	---
Stark	46	223	23	273
Steele	4	9	---	---
Stutsman	52	266	32	299
Towner	4	20	2	1
Traill	41	191	10	120
Walsh	66	214	24	189
Ward	245	828	80	1,765
Wells	2	12	2	12
Williams	63	243	26	190

SOURCE: U.S. Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit-Issusing Places, North Dakota, 1977 Annual Data, photocopy.

[a] No data included in Construction Division report.

[b] Less than $500.

TABLE 10.09

CONSTRUCTION EMPLOYMENT BY NORTH DAKOTA COUNTY, 1971-1977

County	1971	1972	1973	1974	1975	1976	1977
Adams	D	D	37	40	44	D	D
Barnes	189	198	212	250	269	292	305
Benson	55	65	79	64	58	84	122
Billings	D	6	6	D	3	L	L
Bottineau	117	87	89	99	103	133	123
Bowman	D	36	58	74	72	D	73
Burke	19	25	21	33	23	24	32
Burleigh	860	1,038	1,179	1,316	1,463	1,771	1,978
Cass	2,490	2,781	2,699	2,684	2,967	3,019	3,176
Cavalier	2,236	1,893	582	229	283	260	156
Dickey	43	48	49	55	65	74	95
Divide	15	8	13	16	16	39	40
Dunn	35	21	17	31	20	27	51
Eddy	89	100	113	105	97	120	89
Emmons	60	39	56	66	69	69	85
Foster	85	65	75	96	109	124	161
Golden Valley	5	10	31	35	20	24	20
Grand Forks	784	1,059	1,042	1,059	1,208	1,640	1,471
Grant	16	28	24	35	39	38	22
Griggs	25	25	22	21	21	35	34
Hettinger	27	38	60	45	42	60	93
Kidder	19	11	16	21	18	18	32
La Moure	50	40	38	44	36	45	66
Logan	15	15	16	26	22	33	38
McHenry	77	109	124	124	162	151	151
McIntosh	34	33	33	19	27	33	38
McKenzie	50	54	74	85	77	96	95
McLean	202	183	257	228	286	555	1,083
Mercer	81	146	266	473	593	249	325
Morton	250	335	380	561	568	640	699
Mountrail	58	43	47	42	49	58	58
Nelson	60	87	89	75	116	169	99
Oliver	22	10	12	94	315	656	373
Pembina	205	289	257	267	288	305	273
Pierce	61	66	63	68	75	115	86
Ramsey	135	206	206	227	230	293	267
Ransom	34	59	47	38	49	73	75
Renville	31	17	15	19	29	D	37
Richland	D	D	267	496	440	411	361
Rolette	156	196	169	150	234	276	279

TABLE 10.09--*Continued*

County	1971	1972	1973	1974	1975	1976	1977
Sargent	25	31	33	35	44	34	32
Sheridan	32	27	32	55	59	60	50
Sioux	16	6	16	D	11	10	18
Slope	4	1	1	3	18	L	D
Stark	264	260	304	320	287	404	482
Steele	14	23	15	18	23	53	27
Stutsman	296	353	408	426	544	524	666
Towner	16	24	26	30	40	50	50
Traill	194	80	89	274	99	90	90
Walsh	170	315	336	331	331	419	394
Ward	727	834	909	970	1,391	1,327	1,204
Wells	83	75	77	85	100	129	107
Williams	237	262	304	352	316	404	430

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

D Not shown to avoid disclosure of confidential information.

L Less than 10 employees.

Note: 1971-1974 estimates based on 1967 SIC; 1975-1977 estimates based on 1972 SIC.

TABLE 10.10

INDEXES OF WHOLESALE PRICES OF SELECTED MATERIALS USED IN CONSTRUCTION, SELECTED YEARS, 1960-1977 [1967=100]

Year	All Construction Materials	Softwood Lumber			Selected Hardwood Lumber
		Douglas Fir	Southern Pine	Other	
1960	95.5	89.3	93.9	95.3	93.0
1967	100.0	100.0	100.0	100.0	100.0
1970	112.5	108.8	114.5	115.1	116.8
1971	119.5	137.6	133.8	145.3	114.4
1972	126.6	161.1	151.5	177.0	130.4
1973	138.5	209.6	187.9	226.6	197.0
1974	160.9	213.7	184.5	220.8	211.4
1975	174.0	212.0	175.3	205.3	163.6
1976	187.7	250.7	217.4	257.8	192.0
1977	204.9	291.4	262.3	312.6	231.1

Year	Millwork			Plywood	
	Group[1] Index	General Millwork	Prefabricated Structural Members	Group Index	Softwood
1960	93.1	NA	NA	109.6	113.2
1967	100.0	100.0	100.0	100.0	100.0
1970	116.0	115.6	118.0	108.5	113.6
1971	120.7	121.4	117.5	114.7	127.2
1972	128.4	129.1	124.9	130.7	154.9
1973	144.2	143.1	149.2	155.2	194.0
1974	157.1	156.4	160.2	161.1	186.8
1975	160.4	163.0	148.0	161.2	200.6
1976	176.9	182.1	155.6	187.0	247.6
1977	193.6	196.9	175.7	212.0	295.5

Year	Selected Finished Steel Products				Builder's Hardware
	Structural Shapes	Reinforcing Bars	Galvanized Sheets, Carbon	Wire Nails 8d Common	
1960	93.4	107.3	93.0	109.4	NA
1967	100.0	100.0	100.0	100.0	100.0
1970	115.3	109.2	109.7	114.7	112.9
1971	126.8	117.1	114.9	124.7	117.7
1972	134.6	114.7	122.1	133.5	120.4
1973	140.7	124.1	122.8	140.4	124.3
1974	179.0	201.5	161.0	207.1	141.2
1975	216.3	200.1	187.7	241.4	158.8
1976	227.1	182.5	203.1	243.6	164.1
1977	241.2	185.8	221.0	261.3	175.7

TABLE 10.10--*Continued*

Year	Building Paper and Board			Prepared Paint
	Group Index	Insulation Board	Hardboard & Particle Board	
1960	110.3	113.9	103.8	92.1
1967	100.0	100.0	100.0	100.0
1970	101.2	110.8	93.4	112.4
1971	103.0	115.1	93.3	115.6
1972	106.4	119.0	96.4	118.0
1973	112.8	121.7	105.7	122.2
1974	123.5	133.9	115.2	145.7
1975	127.1	144.0	113.6	166.9
1976	138.8	161.0	123.7	174.4
1977	157.0	177.9	141.0	182.4

Year	Plumbing Fixtures & Brass Fittings			
	Group[1] Index	Enameled Iron Fixtures	Vitreous China Fixtures	Brass Fittings
1960	93.3	108.4	106.3	78.1
1967	100.0	100.0	100.0	100.0
1970	112.5	111.4	108.9	115.8
1971	116.4	114.4	111.8	120.0
1972	119.7	121.2	115.6	122.2
1973	125.8	129.6	120.8	128.8
1974	149.1	158.1	134.2	155.7
1975	162.3	188.4	146.6	162.2
1976	174.1	201.2	159.0	174.1
1977	186.6	214.6	174.2	186.5

Year	Heating Equipment			
	Group[1] Index	Steam & Hot Water	Warm Air Furnaces & Attachments	Water Heaters Domestic
1960	105.9	99.8	112.2	110.9
1967	100.0	100.0	100.0	100.0
1970	110.6	110.7	111.1	109.6
1971	115.5	116.4	114.5	115.2
1972	118.2	119.7	115.5	120.2
1973	120.4	122.7	116.6	121.9
1974	135.0	139.0	126.0	142.0
1975	150.7	153.9	139.5	164.4
1976	158.0	162.4	145.2	166.0
1977	165.5	173.2	152.0	170.9

TABLE 10.10--*Continued*

Year	Selected Nonferrous Metal Products		
	Copper Water Tubing Straight Lengths	Building,Wire Type THW 12 AWG	Nonmetallic Sheathed Cable
1960	NA	61.7	67.7
1967	100.0	100.0	100.0
1970	123.1	123.0	131.7
1971	108.5	97.9	107.3
1972	116.4	92.9	104.9
1973	133.6	108.2	130.6
1974	174.9	169.7	208.8
1975	134.9	125.9	150.5
1976	144.5	118.4	128.9
1977	-----	126.7	142.7

Year	Selected Fabricated Metal Products		
	Steel for Building	Metal Doors, Sash & Trim	Aluminum Siding Non-Insulated, Mfg. to Distr.
1960	NA	98.9	NA
1967	100.0	100.0	100.0
1970	110.6	112.9	104.6
1971	118.7	118.1	105.2
1972	123.8	120.5	105.8
1973	128.4	124.5	109.4
1974	164.6	147.3	139.8
1975	202.4	162.5	150.1
1976	205.0	171.3	162.0
1977	212.9	188.9	184.9

Year	Concrete Ingredients		
	Group Index	Sand, Gravel & Crushed Stone	Portland Cement
1960	97.0	93.4	100.3
1967	100.0	100.0	100.0
1970	114.6	113.5	115.7
1971	121.9	119.1	124.6
1972	126.9	121.7	131.9
1973	131.2	125.0	137.2
1974	148.7	132.5	161.9
1975	172.3	151.1	193.3
1976	186.7	161.2	212.7
1977	198.8	170.8	227.7

TABLE 10.10--*Continued*

Year	Concrete Products			
	Group Index	Building Block	Concrete Culvert, Pipe Reinforced	Ready-Mixed Concrete
1960	97.2	96.0	101.9	96.6
1967	100.0	100.0	100.0	100.0
1970	112.2	113.2	103.5	113.6
1971	120.6	118.3	112.0	122.7
1972	125.6	123.7	116.0	127.9
1973	131.7	135.3	118.6	133.3
1974	151.7	151.3	143.6	153.3
1975	170.5	165.8	169.4	171.8
1976	180.1	171.7	169.1	184.1
1977	191.8	183.6	175.4	196.6

Year	Structural Clay Products			
	Group Index[1]	Building Brick	Clay Tile	Clay Sewer Pipe-Vitrified
1960	93.4	91.4	95.7	95.2
1967	100.0	100.0	100.0	100.0
1970	109.8	112.2	108.7	105.3
1971	114.2	117.4	112.4	109.4
1972	117.3	122.1	114.5	110.8
1973	123.3	130.8	119.1	113.1
1974	135.2	143.5	130.1	124.8
1975	151.2	160.5	145.4	139.3
1976	163.5	177.0	156.1	145.1
1977	179.8	204.0	158.8	157.0

Year	Plastic Construction Products			
	Group Index[2]	Pressure[2] Pipes	Nonpressure[2] Pipes	Structural[2] Panel & Sheets
1960	NA	NA	NA	NA
1967	NA	NA	NA	NA
1970	97.2	98.7	94.2	99.7
1971	94.7	95.5	92.6	99.9
1972	93.4	94.7	91.8	99.4
1973	94.1	96.1	91.0	100.4
1974	118.9	115.5	134.2	129.3
1975	123.9	111.5	134.2	143.6
1976	127.2	105.8	130.3	148.9
1977	133.2	112.4	135.4	150.7

TABLE 10.10--*Continued*

Year	Selected Nonmetallic Minerals			Floor Coverings
	Insulation Materials	Building Line	Bituminous[3] Paving Materials	Vinyl Sheet Goods, Semi-Permanent
1960	110.9	NA	NA	NA
1967	100.0	100.0	100.0	100.0
1970	123.1	110.5	105.8	97.5
1971	131.7	118.5	121.8	102.9
1972	136.9	121.9	123.9	102.5
1973	137.4	126.9	126.2	103.2
1974	156.5	152.6	222.9	117.9
1975	196.2	186.0	256.9	135.4
1976	212.6	205.1	265.1	144.5
1977	235.9	220.1	278.4	153.0

Year	Prepared Asphalt Roofing	Flat Glass	
		Plate	Window Glass, Single B
1960	96.6	112.2	80.5
1967	100.0	100.0	100.0
1970	101.8	NA	116.1
1971	126.5	NA	124.8
1972	133.4	115.0	125.2
1973	138.3	115.0	136.4
1974	189.9	115.0	158.4
1975	217.9	120.4	177.7
1976	231.3	126.4	206.9
1977	246.4	133.0	223.5

SOURCE: U.S. Department of Commerce, Construction Review, various years.

[1] Includes items not shown separately.

[2] Introduced December 1969, 1969 = 100.

[3] The Bituminous Paving Materials Index is not a component of the All-Construction Materials Index.

NA Data not available.

TABLE 10.11

LOW-RENT PUBLIC HOUSING UNDER ANNUAL CONTRIBUTIONS CONTRACT PROGRAM IN UNITED STATES AND NORTH DAKOTA, 1970-1977

	All Units under Annual Contributions Contract		Pre-Construction	Under Construction	Under Management	
	Total	Elderly			Total	Elderly
1970						
United States	1,119,618	252,514	87,147	136,148	896,323	160,401
NORTH DAKOTA	2,159	1,142	340	663	1,156	605
1971						
United States	1,175,861	279,586	65,847	117,275	992,739	205,699
NORTH DAKOTA	2,914	1,514	356	924	1,634	966
1972						
United States	1,260,235	310,875	99,270	105,919	1,055,046	235,788
NORTH DAKOTA	3,355	1,826	142	766	2,447	1,408
1973						
United States	1,293,688	330,980	100,911	84,869	1,107,908	258,916
NORTH DAKOTA	3,663	2,131	229	461	2,973	1,669
1974						
United States	1,316,126	338,429	93,601	70,689	1,151,836	273,270
NORTH DAKOTA	4,166	2,131	453	306	3,407	1,985
1975						
United States	1,306,794	336,335	63,919	68,273	1,174,602	288,290
NORTH DAKOTA	4,271	2,112	535	189	3,547	2,010
1976						
United States	1,305,370	340,258	60,506	63,400	1,181,464	293,493
NORTH DAKOTA	4,265	2,136	460	168	3,637	2,034
1977						
United States	1,308,810	323,833	57,495	63,622	1,187,693	294,950
NORTH DAKOTA	4,280	2,136	325	268	3,687	2,034

SOURCE: U.S. Department of Housing and Urban Development, HUD Statistical Yearbook, 1970-1977.

TABLE 10.12

SUMMARY OF SUBSIDIZED RENTAL HOUSING UNITS RESERVED BY COUNTY AND FAMILY TYPE, NORTH DAKOTA, 1978[1]

County	Elderly	Family	Large Family	Total
Adams	32	13	---	45
Barnes	120	54	11	185
Benson	117	68	6	191
Billings	---	---	-	---
Bottineau	87	48	1	136
Bowman	37	28	---	65
Burke	32	19	2	53
Burleigh	277	289	127	693
Cass	851	455	273	1,579
Cavalier	28	49	2	79
Dickey	57	54	1	112
Divide	20	37	4	61
Dunn	40	4	---	44
Eddy	48	25	---	73
Emmons	17	23	---	40
Foster	39	35	---	74
Golden Valley	54	---	---	54
Grand Forks	416	383	93	892
Grant	43	10	7	60
Griggs	44	13	---	57
Hettinger	33	33	---	66
Kidder	10	9	---	19
La Moure	67	15	---	82
Logan	5	15	---	20
McHenry	56	48	4	108
McIntosh	90	2	---	92
McKenzie	46	13	4	63
McLean	64	74	9	147
Mercer	60	28	9	97
Morton	253	69	13	335
Mountrail	92	27	13	132
Nelson	64	39	---	103
Oliver	24	8	---	32
Pembina	140	28	2	170
Pierce	48	18	2	68

TABLE 10.12--*Continued*

County	Elderly	Family	Large Family	Total
Ramsey	199	134	36	369
Ransom	72	6	---	78
Renville	23	19	---	42
Richland	122	102	38	262
Rolette	67	40	---	107
Sargent	29	48	1	78
Sheridan	20	25	---	45
Sioux	105	---	---	105
Slope	---	---	---	---
Stark	167	89	57	313
Steele	24	48	---	72
Stutsman	208	79	16	303
Towner	50	50	4	104
Traill	136	92	14	242
Walsh	102	62	5	169
Ward	402	217	74	693
Wells	66	37	---	103
Williams	130	93	27	250
Statewide Undistributed	79	378	192	649
NORTH DAKOTA	5,412	3,552	1,047	10,011

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Current Population Report and U.S. Census of Population: 1970. General Characteristics of North Dakota; and U.S. Department of Housing and Urban Development, "1978 Section 8 Income Limits" and "Section 8 Needs Assessment" (Computer Printout).

[1] As of June 7, 1978.

11.00

BANKING, FINANCE, AND INSURANCE

Information on the status of North Dakota's commercial banks, the Bank of North Dakota, and other financial institutions is included in this section together with limited data on the insurance industry.

Banks in North Dakota are organized under both state and federal law. State-chartered banks are supervised by the North Dakota Department of Banking and Financial Institutions, while "national" banks, organized under federal law, are supervised by the Comptroller of the Currency of the United States. Membership in the Federal Reserve System is required of national banks and voluntary on the part of state-chartered banks. The Bank of North Dakota is an agency of the State, unique in the nation.

The principal sources of commercial banking data are the *Annual Report* of the Federal Deposit Insurance Corporation (FDIC) and its publication, *Bank Operating Statistics*. The FDIC insures deposits of virtually all commercial banks in the state and thus has access to comprehensive data on bank operating statistics. Balance sheet and income statements for banks may be quite complex and no attempt will be made here to provide interpretive guidelines. Data pertinent to the Bank of North Dakota were obtained from the *Annual Reports* of the Bank.

Highly aggregated data on the size of Savings and Loan Associations operating in North Dakota contained in this section were obtained from the North Dakota Department of Banking and Financial Institutions' *Biennial Reports of Building, Savings and Loan Associations*. Characteristics of North Dakota's credit unions were obtained from the *North Dakota Credit League Yearbook*.

With the exception of health insurance, the North Dakota Insurance Commissioner regulates the operation of insurance companies in the state. Insurance data reported here comes from the North Dakota Insurance Department's *Statistical Report of Premiums and Losses of Insurance Companies* and also from the *Life Insurance Factbook*, published annually by the Institute of Life Insurance, located in New York.

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TABLE 11.01

NORTH DAKOTA COMMERCIAL BANKS, FEDERAL RESERVE MEMBERSHIP AND INSURANCE STATUS, SELECTED YEARS, 1940-1977

	Total Banking Offices	Insured				Not Insured Total
		Total Insured	Nat'l. Fed. Reserve Member	State Fed. Reserve Member	Non-Fed. Reserve Member	
1940						
All Offices	184	171	45	--	126	13
Banks	163	150	40	--	105	13
Branches	21	21	--	--	21	--
1950						
All Offices	172	167	41	2	124	5
Banks	150	145	41	2	102	5
Branches	22	22	--	--	22	--
1960						
All Offices	185	182	40	3	139	3
Banks	156	153	38	2	113	3
Branches	29	29	2	1	26	--
1965						
All Offices	218	212	49	7	156	5
Banks	169	163	42	4	117	5
Branches	49	49	7	3	39	--
1970						
All Offices	240	235	54	6	175	5
Banks	169	166	42	4	120	3
Branches	71	69	12	2	55	2
1975						
All Offices	261	254	66	6	182	7
Banks	172	169	43	4	122	3
Branches	89	85	23	2	60	4
1976						
All Offices	265	259	68	7	184	6
Banks	171	169	43	4	122	2
Branches	94	90	25	3	62	4
1977						
All Offices	283	276	82	7	187	6
Banks	173	170	43	4	123	2
Branches	110	106	39	3	64	4

SOURCE: Federal Deposit Insurance Corporation, Annual Reports, 1940-1977.

TABLE 11.02

TOTAL ASSETS AND DEPOSITS OF COMMERCIAL BANKS* IN NORTH DAKOTA, SELECTED YEARS, 1935-1977

Year	Number of Banks	Total Assets	Total Deposits
1935	203	NA	73,126
1940	163	NA	97,642
1945	150	511,000	488,000
1950	150	601,649	563,699
1955	154	670,985	615,294
1960	156	839,141	758,803
1965	169	1,176,165	1,059,065
1970	169	1,747,703**	**1,549,809
1975	172	3,364,522**	**2,935,227
1976	171	3,595,674	3,196,353
1977	173	4,002,649	3,529,881

SOURCE: Federal Deposit Insurance Corporation, Annual Reports, 1935-1977; supplemental data for 1970 and 1975 from Bank of North Dakota Annual Reports and North Dakota Department of Banking and Financial Institutions.

* Insured and Non-Insured.

** Excludes data for one bank in liquidation.

TABLE 11.04

SELECTED BALANCE SHEET RATIOS OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1968-1977

	1968	1970	1972	1974	1976	1977
Number of Banks	166	166	167	168	169	170
Percentage of Assets						
Cash Due From Banks	9.5	7.7	7.9	7.8	8.2	8.5
U.S. Treasury Securities	24.6	20.6	17.5	10.1	8.9	8.3
Securities of U.S. Gov't. Agencies	12.0	11.7	15.6	16.1	7.4	6.2
Obligations of States and Polit. Subdiv.	9.7	10.5	11.8	13.5	13.7	12.9
Other Securities	0.1	0.2	0.2	0.1	2.7	5.2
Loans & Discounts	42.6	47.7	45.2	50.4	56.5	56.2
Real Estate	12.2	12.4	9.3	9.4	11.3	12.1
Agriculture	18.0	19.4	18.1	20.6	25.4	23.4
Commercial & Industrial	5.4	6.7	6.7	8.2	9.5	10.4
Individuals	7.0	7.7	8.2	8.4	9.2	9.5
Other	0.6	1.3	3.4	4.3	1.1	0.7
Fixed Assets	1.0	1.0	0.9	1.0	1.5	1.5
Other Assets	0.2	0.3	0.5	0.6	1.1	1.2
Percentage of Total Deposits						
Demand	47.4	43.1	41.6	41.2	34.5	34.1
Time & Savings	52.5	56.8	58.3	58.7	65.5	65.9
Capital Accounts/Equity Capital	8.4	8.4	7.9	8.0	8.2	8.3

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1968-1977.

TABLE 11.06

SELECTED OPERATING RATIOS FOR INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1968-1977

	1968	1970	1972	1974	1976	1977
Number of Banks	166	166	167	168	169	170
Rate of Return on						
U.S. Treasury Securities	5.80	6.19	5.82	6.98	7.25	6.87
Other Securities (States, etc.)	3.20	4.13	4.30	4.39	5.37	5.33
Loans	6.69	7.30	7.93	9.09	8.61	8.93
Percentage of Total Assets						
Operating Revenue	5.66	6.63	6.42	7.38	7.27	7.27
Salaries and Wages	1.18	1.41	1.28	1.22	1.42	1.28
Net Earnings Before Taxes	0.97	1.47	1.22	1.83	1.43	1.33
Net Earnings After Taxes	0.72	1.11	0.92	1.36	1.10	1.01
Net Income	0.69	1.09	0.94	1.33	1.12	1.03
Percentage of Capital Accounts						
Operating Earnings Before Taxes	12.18	18.32	15.46	24.12	18.92	17.35
Operating Earnings After Taxes	9.16	13.81	11.65	17.81	14.54	13.23
Net Income	9.55	13.53	11.94	17.45	14.80	13.47
Dividends Paid	3.56	3.82	3.62	3.49	3.77	3.61
Special Ratios						
Service Charges/Demand Deposits	0.48	0.49	0.47	0.36	0.42	0.39
Interest Paid/Time Deposits	4.33	4.87	5.13	5.61	5.79	5.83
Loan Reserves/Loans	2.07	1.89	1.75	1.44	0.29	0.24
Loan Losses/Loans	0.09	0.16	0.10	0.10	0.14	0.13

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1967-1977.

TABLE 11.03

ASSETS AND LIABILITIES AND CAPITAL OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1966-1977 (Thousands of Dollars)

	1966	1968	1970	1972	1974	1976	1977
Number of Banks	164	166	166	167	168	169	170
Total Assets	$1,123,565	$1,378,090	$1,598,168	$1,995,055	$2,550,009	$3,135,917	$3,476,355
Cash Due From Banks	121,822	146,073	148,342	180,984	235,954	258,709	295,274
U.S. Treasury Securities	255,067	292,773	293,934	312,372	224,803	279,449	288,814
Securities of U.S. Gov't. Ag.		98,984	106,441	191,489	266,520	231,468	216,219
Obligations of States & Polit. Subd.	134,261	164,732	194,605	275,087	359,117	429,414	450,179
Other Bonds, Stocks, & Securities	70,406	2,521	2,599	3,356	5,587	83,998	181,022
Loans & Lease Financing (Net)	518,748	647,845	820,686	990,696	1,403,635	1,770,661	1,953,204
Fixed Assets	17,017	18,718	20,307	23,896	31,531	46,297	50,669
Other Assets	6,244	6,444	11,254	17,175	22,861	35,921	40,974
Total Liabilities	1,037,227	1,278,862	1,462,658	1,832,228	2,340,951	2,883,082	3,194,452
Total Deposits	1,018,597	1,254,887	1,422,961	1,790,093	2,234,538	2,824,394	3,143,633
Demand	502,236	556,434	596,233	712,410	907,252	962,176	1,048,800
Time & Savings	516,361	698,453	826,728	1,077,683	1,327,286	1,862,218	2,094,833
Reserve on Loan/Subordinated Notes	NA	NA	17,183	18,285	22,327	15,148	15,407
Capital Accounts/Equity Capital	86,338	99,228	118,327	144,542	186,730	237,687	266,496

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1967-1977.

TABLE 11.05

INCOME AND EXPENSES OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1966-1977 (Thousands of Dollars)

	1966	1968	1970	1972	1974	1976	1977
Number of Banks	164	166	166	167	168	169	170
Total Operating Revenue	$57,316	$72,709	$97,780	$119,034	$176,648	$227,845	$252,646
Income on Loans	33,272	42,965	59,029	73,033	114,479	147,910	173,357
Int. on U.S. Treasury Securities	11,556	13,904	15,238	17,284	17,943	20,366	19,432
Int. on Securities of U.S. Gov't. Agencies			7,125	8,938	17,372	18,913	16,260
Int. on Obligations of States, etc.	NA	8,085	7,506	10,543	15,455	21,846	22,311
Int. on Fed. & Other Securities	NA		167	220	670	4,803	6,364
Trust Dept. Income	391	533	678	976	1,392	1,909	2,336
Service Charge on Deposits	2,851	3,218	3,482	3,598	3,670	4,067	4,087
All Other Income	3,596	4,005	4,557	4,443	5,667	8,031	8,499
Total Operating Expense	43,226	57,829	76,213	95,421	134,777	182,866	206,411
Salaries & Employee Benefits	13,985	16,297	20,463	23,429	30,146	39,525	44,429
Int. on Deposits	19,564	29,714	39,237	52,809	73,206	106,453	120,285
Int. on Borrowed Money	NA	NA	326	176	4,629	1,215	1,521
Int. on Notes & Debentures	NA	NA	213	365	519	881	1,251
Occupancy & Fixed Expense	2,071	2,209	2,425	2,803	3,710	9,683	10,953
Provision for Loan Losses	NA	NA	1,111	1,094	1,703	2,593	2,887
Other Expenses	7,606	9,409	12,438	14,744	20,864	22,516	25,085
Operating Income	14,091	14,880	21,568	23,613	41,871	44,979	46,235
Income Tax/Security Gains or Losses	5,541	5,408	6,152	5,772	11,754	9,810	10,332
Net Income	8,650	9,472	15,416	17,841	29,551	35,169	35,903
Dividends on Stock	3,518	3,972	4,790	5,559	6,447	8,972	9,610

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1967-1977.

TABLE 11.07

ASSETS AND LIABILITIES AND EQUITY CAPITAL OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA BY FDIC AREA,* 1977

(Thousands of Dollars)

	Area 1	Area 2	Area 3	Area 4	Area 5
Number of Banks	26	33	61	38	12
Total Assets	$429,355	$670,899	$1,134,278	$1,028,235	$213,588
Cash Due From Banks	34,291	51,962	87,917	105,640	15,464
U.S. Treasury Securities	33,594	58,151	111,388	69,667	16,014
Obligations of U.S. Gov't. Agencies	30,835	56,646	84,059	33,939	10,740
Obligations of States & Polit. Subdiv.	65,708	86,900	145,386	124,639	27,546
Other Bonds, Notes & Corporate Stock	1,460	2,218	1,605	2,795	251
Fed. Funds Sold & Securities Bought	25,516	35,787	58,817	42,930	9,643
Loans (Net) & Lease Financing	227,493	364,404	614,270	619,258	127,779
Bank Assets, Fixed	5,814	8,355	16,152	17,667	2,681
Other Assets	4,644	6,476	14,684	11,700	3,470
Total Liabilities	393,608	616,290	1,043,582	946,725	194,247
Total Deposits	389,554	607,047	1,026,275	930,035	190,722
Total Demand Deposits	135,256	199,626	322,749	333,782	57,387
Total Savings Deposits	79,575	124,871	206,256	222,012	42,703
Total Time Deposits	174,723	282,550	497,270	374,241	90,632
Other Liabilities	50,819	9,243	17,307	16,690	3,525
Subordinated Notes & Debentures	1,000	3,060	4,247	5,450	1,650
Equity Capital	34,747	51,549	86,449	76,060	17,691
Preferred & Common Stock	5,735	11,695	20,475	19,867	3,721
Surplus	10,495	16,773	27,880	29,072	6,980
Undivided Profits	14,198	21,281	34,162	25,669	6,318
Contingency Reserve	4,319	1,800	3,932	1,452	672

TABLE 11.08

SELECTED OPERATING RATIOS FOR INSURED COMMERCIAL BANKS IN NORTH DAKOTA BY FDIC AREA,* 1977

	Area 1	Area 2	Area 3	Area 4	Area 5
Number of Banks	26	33	61	38	12
Rate of Return on					
Loans	9.20	8.91	8.89	8.80	9.06
U.S. Treas. Securities	7.00	6.79	6.91	6.90	6.52
Obligations of States, etc.	5.01	5.41	5.37	5.41	5.34
Percentage of Total Assets					
Operating Revenue	7.09	7.08	7.22	7.44	7.58
Salaries & Wages	1.30	1.18	1.22	1.41	1.20
Earnings Before Taxes	1.43	1.27	1.28	1.33	1.64
Earnings After Taxes	1.15	0.99	0.99	0.97	1.17
Net Income	1.17	1.02	1.00	0.99	1.17
Percentage of Equity Capital					
Earnings Before Taxes	17.62	16.49	16.73	17.93	19.84
Earnings After Taxes	14.15	12.90	12.94	13.16	14.07
Net Income	14.48	13.24	13.18	13.36	14.08
Dividends Paid	5.04	2.68	3.82	3.46	3.06
Special Ratios					
Service Chg./Demand Deposit	0.38	0.35	0.36	0.46	0.34
Interest Pd./Time Deposit	5.75	5.83	5.90	5.77	5.88
Loan Reserves/Loans	0.35	0.20	0.25	0.24	0.14
Loan Losses/Loans	0.10	0.09	0.16	0.16	0.06

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1977. Some ratios obtained by calculation.

* See previous table for FDIC definition of North Dakota Economic Areas.

TABLE 11.11

ASSETS, MORTGAGE LOANS AND SHARES OF NORTH DAKOTA BUILDING, SAVINGS AND LOAN ASSOCIATIONS, SELECTED YEARS, 1930-1977

Year	Number of Associations	Total Assets ($000)	Mortgage Loans ($000)	Shares (Savings) ($000)
1930	20	$ 13,301	$ 11,793	$ 12,218
1935	19	8,217	5,505	7,264
1940	17	9,708	7,497	8,466
1945	12	16,519	7,538	14,656
1950	10	29,108	22,753	26,283
1955	7	51,075	43,038	42,430
1960	6	94,599	77,270	82,933
1965	7	171,184	140,672	144,078
1970	7	278,862	249,017	225,156
1975	3	318,787	282,379	284,307
1976	2	357,944	301,284	319,685
1977	2	429,321	378,169	361,811

SOURCE: North Dakota Department of Banking and Financial Institutions, Biennial Reports of Building, Savings and Loan Associations, various years.

TABLE 11.12

CHARACTERISTICS OF CREDIT UNIONS IN NORTH DAKOTA, SELECTED YEARS, 1950-1978

Year	Number of League Members	Membership	Total Assets	Total Shares & Deposits	Total Loans
1950	93	16,034	$ 3,864,237	$ 4,531,401	$ 2,813,523
1955	108	23,626	8,352,542	7,708,929	5,758,846
1960*	123	33,031	14,331,000	12,912,000	12,364,000
1965*	127	47,141	28,357,000	23,475,000	22,099,000
1970	110	62,910	45,732,000	34,360,000	39,289,000
1975	102	95,693	109,882,087	100,277,378	89,592,861
1976	100	104,421	136,094,936	122,432,239	115,915,779
1977	96	113,752	170,925,530	152,281,625	143,590,335
1978	93	121,625	201,011,749	171,546,234	165,605,146

SOURCE: North Dakota Credit League Yearbook, various years, additional data supplied by the North Dakota Credit Union.

* Does not include non-affiliated credit unions.

TABLE 11.13

MORTGAGES OWNED BY LIFE INSURANCE COMPANIES IN NORTH DAKOTA, SELECTED YEARS, 1950-1975
(Thousands of Dollars)

Year	Farm	Nonfarm F.H.A.	Nonfarm V.A.	Nonfarm Conventional	Total
1950	$ 7,649	$ 617	$ 43	$ 7,155	$15,464
1955	11,210	1,090	1,022	19,894	33,216
1960	12,937	1,998	2,055	28,811	45,801
1965	22,160	7,362	4,916	38,516	72,954
1970	24,400	6,200	4,000	35,100	69,700
1971	23,300	5,600	3,700	38,100	70,700
1972	22,900	5,400	3,300	46,400	78,000
1973	22,100	4,400	2,900	51,300	80,700
1974	20,700	3,500	2,700	54,400	81,300
1975	21,300	3,100	2,600	57,200	84,200

SOURCE: Life Insurance Factbook, 1952-1977.

TABLE 11.07--*Continued*

Federal Deposit Insurance Corporation Definition of North Dakota Economic Areas

Area 1	Area 2	Area 3	Area 4	Area 5
Adams	Burke	Barnes	Cass	Dickey
Billings	Burleigh	Benson	Grand Forks	Ransom
Bowman	Divide	Bottineau	Pembina	Richland
Dunn	Emmons	Cavalier	Traill	Sargent
Golden Valley	Kidder	Eddy	Walsh	
Grant	Logan	Foster		
Hettinger	McIntosh	Griggs		
McKenzie	McLean	La Moure		
Mercer	Mountrail	McHenry		
Morton	Sheridan	Nelson		
Oliver	Williams	Pierce		
Sioux		Ramsey		
Slope		Renville		
Stark		Rolette		
		Steele		
		Stutsman		
		Towner		
		Ward		
		Wells		

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1977.

TABLE 11.09

ASSETS AND LIABILITIES FOR THE BANK OF NORTH DAKOTA, 1970-1977
(Thousands of Dollars)

	1970	1971	1972	1973	1974	1975	1976	1977
Total Assets	*$143,920*	*$178,070*	*$204,696*	*$266,701*	*$316,508*	*$401,435*	*$448,393*	*$512,809*
Cash Due From Banks	10,175	13,218	20,544	20,215	23,011	26,751	23,189	39,400
U.S. Gov't Securities	25,569	17,421	14,154	20,796	18,542	38,788	120,159	91,700
Federal Agencies Securities	24,015	31,008	36,498	64,511	62,914	56,024	53,318	41,488
State & Municipal Securities	21,231	11,197	13,744	16,332	15,488	14,760	16,352	11,140
Other Securities	11,591	32,686	31,888	14,862	51,788	116,581	50,796	97,861
Federal Funds Sold	3,300	8,100	5,620	18,250	17,190	22,485	30,653	32,800
Loans (Net)	46,791	29,561	79,952	106,392	122,153	119,030	147,448	192,206[3]
Bank Assets	*	*	*	945[1]	925	889	838	1,018
Other Assets/Interest Due	1,222	2,103	2,295	4,398[2]	4,496	6,128	5,640	5,197
Total Liabilities	*124,038*	*159,674*	*180,639*	*242,943*	*283,415*	*376,007*	*413,198*	*484,554*
Total Deposits	122,151	153,965	168,155	200,857	253,630	311,720	362,455	376,268
Demand	65,875	84,638	89,467	117,437	86,476	86,443	77,934	92,643
Time & Savings	56,275	69,326	78,689	83,420	167,154	225,277	284,521	283,625
Total Other Liabilities	1,887	5,709	12,484	42,086	29,785	64,287	50,743	108,286
To State General Fund	1,375	4,875	1,625	7,500	2,500	12,000	4,000	12,000
Reserves	*2,724*	*2,716*	*2,673*	*1,974*	*2,040*	*2,040*	*2,000*	--------[3]
Capital Funds	*17,158*	*15,680*	*21,384*	*21,784*	*31,053*	*23,388*	*33,195*	*28,256*

SOURCE: Bank of North Dakota, Annual Reports, 1971-1977.

[1] Capitalized Bank Assets and depreciated overtime.

[2] Changed from modified to full accrual method.

[3] Loan Reserves included in Net Loan figure.

* Charged to Operating Expense

TABLE 11.10

INCOME AND EXPENSES FOR THE BANK OF NORTH DAKOTA, 1970-1977 (In Dollars)

	1970	1971	1972	1973
Operating Income				
Interest on Loans	$2,305,065	$4,650,941	$ 4,850,588	$ 7,502,128
Interest & Dividends on				
U.S. Gov't Obligations	1,210,565	917,685	628,003	1,201,607
Federal Agencies Obligations	3,387,067	2,967,359	2,085,618	3,642,828
State & Municipal Obligations	1,430,471	674,556	653,590	728,997
Other Investments	(1)	(1)	2,368,139	1,591,240
Interest on Federal Funds Sold	237,591	120,524	313,202	1,728,125
Service Charges & Other Income	132,359	170,458	100,436	127,583
Total Operating Income	*8,703,158*	*9,501,523*	*10,999,576*	*16,522,508*
Operating Expenses				
Interest Expense (Total)	3,656,116	3,721,608	4,031,060	7,578,873
Deposits	3,656,116	3,721,608	3,829,894	5,187,861
Federal Funds Purchased	NA	NA	194,286	1,150,530
Borrowed Funds	NA	NA	6,880	1,240,482
Other Expenses (Total)	665,901	675,927	895,238	922,305
Salaries & Benefits	470,046	489,214	535,960	574,973
Fees & Services	117,879	118,189	152,424	175,428
Equipment-Rental-Data Processing	47,579	46,346	175,091	81,931
Supplies & Materials	21,733	24,033	31,763	30,498
Professional Services	NA	NA	NA	NA
Loan Loss Provision	8,664	(1,855)	NA	NA
Depreciation	(2)	(2)	(2)	59,475
Total Operating Expense	*4,322,017*	*4,397,535*	*4,926,298*	*8,501,178*
Income Before Security Gains	4,381,141	5,103,986	6,073,278	8,021,330
Security Gains	(53,619)	(264,657)	9,651	45,054
Net Income for the Year	*4,327,522*	*4,839,329*	*6,082,929*	*8,066,384*

TABLE 11.10--*Continued*

	1974	1975	1976	1977
Operating Income				
Interest on Loans	$ 9,412,652	$ 9,751,722	$ 10,618,311	$ 13,964,920
Interest & Dividends on				
U.S. Gov't Obligations	1,105,180	1,327,540	3,796,550	7,047,207
Federal Agencies Obligations	4,219,400	4,096,760	3,399,723	3,064,859
State & Municipal Obligations	911,598	740,549	888,211	897,084
Other Investments	2,765,502	7,366,841	6,814,551	3,386,066
Interest on Federal Funds Sold	4,479,671	2,023,415	2,120,577	3,387,808
Service Charges & Other Income	129,877	139,137	110,247	126,772
Total Operating Income	*23,023,880*	*25,445,964*	*27,748,170*	*31,874,716*
Operating Expenses				
Interest Expense (Total)	12,718,223	15,504,385	16,724,496	19,483,245
Deposits	8,938,691	13,449,134	14,805,808	16,737,044
Federal Funds Purchased	2,065,901	1,455,994	1,058,905	1,896,567
Borrowed Funds	1,713,631	599,257	859,783	849,634
Other Expenses (Total)	1,107,190	1,455,027	1,724,636	1,857,888
Salaries & Benefits	661,548	831,139	983,984	1,146,165
Fees & Services	211,859	286,430	326,910	361,362
Equipment-Rental-Date Processing	101,515	110,108	152,935	220,540
Supplies & Materials	36,150	49,907	48,688	58,971
Professional Services	28,744	11,256	----------	20,000
Loan Loss Provision	NA	97,300	138,387	(24,293)
Depreciation	67,374	68,887	73,732	75,143
Total Operating Expense	*13,825,413*	*16,959,412*	*18,449,132*	*21,341,133*
Income Before Security Gains	9,198,467	8,486,552	9,299,038	10,533,583
Security Gains	70,304	(151,674)	159,886	526,737
Net Income for the Year	*9,268,771*	*8,334,878*	*9,807,755*[3]	*11,060,320*

SOURCE: Bank of North Dakota, Annual Reports, 1971-1977.

[1] Other Investment Income included with Federal Agencies Obligations.
[2] Prior to 1973, assets were not capitalized and depreciated over time.
[3] Includes $348,831 cumulative gain from change in Accounting Principle.

TABLE 11.14

LIFE INSURANCE POLICIES IN FORCE IN NORTH DAKOTA BY TYPE OF POLICY, SELECTED YEARS, 1955-1976

Year	Ordinary		Group	
	Number (Thousands)	Amount (Millions)	Number (Thousands)	Amount (Millions)
1955	285	$ 660	59	$ 110
1960	313	1,035	79	205
1965	333	1,458	138	536
1970	347	2,031	174	949
1971	350	2,185	206	1,014
1972	366	2,411	217	1,072
1973	374	2,650	228	1,217
1974	398	3,016	256	1,820
1975	409	3,351	267	1,866
1976	412	3,770	258	2,065

Year	Industrial		Credit	
	Number (Thousands)	Amount (Millions)	Number (Thousands)	Amount (Millions)
1955	7	$ 2	48	$ 38
1960	8	3	121	115
1965	6	3	197	264
1970	6	3	236	370
1971	6	3	242	421
1972	6	3	256	400
1973	15	8	222	400
1974	5	3	249	465
1975	5	3	243	485
1976	5	3	209	579

Year	Total	
	Number (Thousands)	Amount (Millions)
1955	399	$ 810
1960	521	1,358
1965	674	2,261
1970	763	3,353
1971	804	3,623
1972	845	3,886
1973	839	4,275
1974	908	5,304
1975	924	5,705
1976	884	6,417

SOURCE: Life Insurance Factbook, various years.

TABLE 11.15

LIFE INSURANCE PREMIUMS, ANNUITIES AND CLAIMS PAID IN NORTH DAKOTA, SELECTED YEARS, 1965-1977

Year	Life Premiums	Life Annuities	Life Claims Paid
1965	$36,982,239	$ 2,481,129	$18,650,866
1970	48,826,858	3,192,345	18,225,902
1971	52,810,364	4,903,031	17,241,122
1972	55,658,497	4,546,135	16,083,870
1973	59,562,010	5,756,620	16,755,985
1974	65,070,869	7,733,948	19,267,806
1975	70,686,042	12,142,775	19,001,521
1976	78,530,140	15,137,267	19,961,726
1977	85,032,878	14,675,205	19,488,833

SOURCE: North Dakota Insurance Department, Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.16

FIRE AND CASUALTY PREMIUMS AND CLAIMS PAID IN NORTH DAKOTA, SELECTED YEARS, 1965-1977

Year	Fire & Casualty Premiums	Fire & Casualty Claims Paid
1965	$ 50,891,006	$ 27,157,547
1970	76,043,673	36,740,615
1971	84,582,505	45,648,127
1972	87,164,195	43,394,894
1973	98,884,172	50,900,191
1974	116,863,502	64,433,071
1975	134,275,975	82,276,038
1976	159,847,512	94,326,083
1977	185,346,051	121,426,409

SOURCE: North Dakota Insurance Department, Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.17

FIRE AND EXTENDED COVERAGE PREMIUMS AND CLAIMS PAID IN NORTH DAKOTA BY THE STATE FIRE AND TORNADO FUND, SELECTED YEARS, 1965-1977

Year	Fire & EC Premiums	Fire and EC Claims Paid
1965	$ 605,205	$289,567
1970	1,054,227	850,211
1971	120,949	397,070
1972	1,414,686	153,121
1973	82,555	317,865
1974	1,555,290	220,389
1975	37,048	245,859
1976	1,366,117	899,000
1977	96,263	676,261

SOURCE: North Dakota Insurance Department, State Fire and Tornado Fund, Biennial Statements and Statistical Records, various years.

TABLE 11.18

ACCIDENT AND HEALTH PREMIUMS AND CLAIMS PAID IN NORTH DAKOTA BY LIFE INSURANCE COMPANIES, SELECTED YEARS, 1965-1977

Year	Premiums	Claims Paid
1965	$19,623,316	$13,618,011
1970	23,310,699	17,150,700
1971	27,165,810	22,918,579
1972	30,793,560	19,707,256
1973	33,531,181	22,357,734
1974	35,761,805	24,869,845
1975	38,047,269	28,768,216
1976	41,614,976	29,117,821
1977	42,933,999	29,883,691

SOURCE: North Dakota Insurance Department, Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.19

PREMIUMS AND CLAIMS PAID: BLUE CROSS AND BLUE SHEILD OF NORTH DAKOTA, SELECTED YEARS, 1965-1977

Year	Premiums	Claims Paid
1965	$14,057,727	$13,053,697
1970	30,370,623	28,442,514
1971	37,657,271	30,693,870
1972	39,851,781	28,957,152
1973	41,781,034	31,995,046
1974	42,605,645	41,099,996
1975	52,814,218	53,350,479
1976	70,817,081	65,311,033
1977	88,185,991	75,542,739

SOURCE: North Dakota Insurance Department, Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.20

AVERAGE COST PER HOSPITAL DAY, AVERAGE STAY AND AVERAGE COST PER STAY: UNITED STATES, NORTH DAKOTA AND SELECTED MIDWEST STATES, 1974-1976

	Average Cost Per Patient Day			Average Length of Stay (Days)		
	1974	1975	1976	1974	1975	1976
U.S.	$ 127.70	$ 151.20	$ 172.70	7.8	7.7	7.7
N.D.	82.80	98.50	121.60	8.4	8.3	8.2
S.D.	83.00	98.50	116.20	7.3	7.0	7.0
Neb.	97.70	116.70	133.10	8.3	8.1	8.0
Mont.	93.10	111.10	132.40	6.6	6.4	6.3
Wyo.	94.00	116.90	134.80	5.9	5.5	5.8
Minn.	105.80	121.90	140.50	8.3	8.8	8.7
Iowa	94.00	109.80	131.80	7.8	7.8	7.6

	Average Cost Per Patient Stay		
	1974	1975	1976
U.S.	$ 996.20	$1,164.20	$1,330.10
N.D.	695.60	817.60	997.30
S.D.	605.80	689.50	813.10
Neb.	810.60	945.30	1,065.00
Mont.	614.20	711.00	834.40
Wyo.	554.40	643.00	782.00
Minn.	931.00	1,072.70	1,221.90
Iowa	733.50	856.40	1,001.50

SOURCE: Health Insurance Institute, Source Book of Health Insurance Data, various years.

12.00

MANUFACTURING

This section contains statistics on North Dakota's small but important manufacturing industry. Included are data on the number of establishments, employment and wages, expenditure for new plant and equipment, value added by manufacturing, and related information. A table showing North Dakota's contribution to the international export of manufactured goods is also included.

The principal source of data contained in this section is the *Annual Survey of Manufacturers*, conducted each year and published by the U.S. Department of Commerce. Due to the small size of North Dakota's manufacturing sector, the *Annual Survey* data may be subject to high sampling error. Data users are urged to consult the source document before attaching any degree of reliability to the estimates.

As defined by the Bureau of the Census, a ***manufacturing establishment*** usually consists of a single physical location at which the transformation of materials into new products is performed. Businesses with one or more employees are included. Firms operating more than one establishment are required to submit a report for each separate location. An establishment is classified in a particular industry if its production of that product or product group exceeds in value its production in any other product group. The manufacturing industries are defined in the *Standard Industrial Classification Manual* issued by the U.S. Office of Management and Budget.

A listing of individual manufacturing establishments operating in North Dakota is available from the North Dakota Business and Industrial Development Department (BIDD).

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TABLE 12.01

TOTAL NUMBER OF MANUFACTURING EMPLOYEES, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1976

(Thousands of Employees)

State	1970	1971	1972	1973	1974	1975	1976
NORTH DAKOTA	10.3	10.1	10.2	11.9	12.3	14.1	14.2
South Dakota	17.2	16.1	17.4	20.0	20.9	21.6	21.8
Minnesota	301.2	277.5	302.2	323.5	334.7	320.9	305.5
Montana	20.1	19.9	21.4	21.6	20.9	20.5	21.7
Wyoming	6.0	6.4	7.0	7.5	7.0	7.0	7.0
Nebraska	81.3	80.2	84.9	88.6	90.4	87.3	87.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

TABLE 12.02

TOTAL ANNUAL PAYROLL FOR ALL MANUFACTURING EMPLOYEES, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1976

(Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976
N. DAK.	$ 73.5	$ 70.3	$ 78.6	$ 96.2	$ 106.0	$ 119.6	$ 139.4
S. Dak.	120.7	118.8	134.5	159.2	177.2	189.4	216.5
Minn.	2,447.7	2,467.6	2,889.0	3,203.0	3,579.9	3,781.0	3,892.8
Montana	151.6	158.5	184.6	195.1	206.8	226.7	269.8
Wyoming	45.7	51.1	56.9	61.7	68.3	77.8	82.9
Nebraska	581.2	618.0	704.2	769.1	835.1	890.8	986.6

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

TABLE 12.03

VALUE ADDED BY MANUFACTURING, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1976

(Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976
N. DAK.	$ 188.8	$ 189.0	$ 200.7	$ 330.1	$ 325.9	$ 323.7	$ 387.0
S. Dak.	230.2	226.2	284.5	419.8	385.3	421.1	493.9
Minn.	4,757.8	4,827.2	5,523.8	6,704.1	7,640.2	7,386.9	8,473.0
Montana	357.1	330.4	462.5	515.2	610.6	531.6	771.1
Wyoming	104.3	119.4	143.9	171.0	233.3	269.2	279.0
Nebraska	1,497.0	1,594.1	1,733.4	1,989.8	2,253.0	2,384.5	2,692.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

TABLE 12.04

VALUE OF MANUFACTURING INDUSTRY SHIPMENTS, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1976

(Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976
NORTH DAKOTA	$ 494.3	$ 536.1	$ 593.9	$ 773.2	$ 982.1	$ 1,128.3	$ 1,236.2
South Dakota	780.0	741.3	936.6	1,274.9	1,389.0	1,494.4	1,608.5
Minnesota	10,963.2	11,222.2	12,901.3	15,279.0	18,221.7	18,646.4	20,439.5
Montana	1,217.3	1,232.0	1,596.7	1,793.7	2,217.4	2,202.0	2,524.9
Wyoming	331.5	362.6	451.0	547.6	712.6	846.3	833.2
Nebraska	4,419.4	4,826.6	5,898.4	6,954.9	7,949.3	8,393.4	8,773.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

TABLE 12.05

NEW CAPITAL EXPENDITURES IN MANUFACTURING, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1976

(Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976
NORTH DAKOTA	$ 10.1	$ 11.3	$ 13.3	$ 23.8	$ 27.8	$ 23.2	$ 54.9
South Dakota	12.3	13.5	20.1	32.3	30.7	36.5	48.8
Minnesota	316.4	271.1	305.5	330.5	488.7	487.6	494.9
Montana	42.3	50.4	75.8	66.3	99.8	76.3	85.6
Wyoming	4.7	6.3	23.4	15.6	17.2	21.2	30.5
Nebraska	83.0	86.5	102.3	108.5	143.3	160.8	167.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

TABLE 12.06

LABOR COSTS, NEW CAPITAL EXPENDITURES, ASSETS, AND RENTAL PAYMENTS OF NORTH DAKOTA MANUFACTURING ESTABLISHMENTS, 1970-1976*

(Millions of Dollars)

Item	1970	1971	1974	1975	1976
Labor Costs, Total	$ 81.2	$ 78.4	$119.8	$136.5	$160.0
Payroll	73.5	70.3	106.0	119.6	139.4
Soc. Sec. and Other Required Payments	4.9	4.3	7.6	9.1	12.4
Employer Payments for Other Programs	2.8	3.4	6.2	7.7	8.3
Expenditures for New Plant and Equipment Total	10.1	11.3	27.8	23.2	54.9
New Structures and Additions to Plant	4.7	3.5	15.0	5.5	17.3
New Machinery and Equipment	5.4	7.8	12.9	17.8	37.6
Gross Book Value of Depreciable Assets (end of year total)	183.0	186.5	26.8	288.6	322.2
Structures and Buildings	51.0	52.5	81.9	88.4	94.6
Machinery and Equipment	132.0	133.9	186.5	200.2	227.6
Rental Payments, Total	1.3	1.1	2.6	3.5	4.1
Structures and Buildings	.9	.9	1.5	1.9	2.1
Machinery and Equipment	.4	.2	1.6	1.6	2.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Censes, Annual Survey of Manufactures, various years.

* Data for 1972 and 1973 are not available.

TABLE 12.07

TOTAL NUMBER OF ALL MANUFACTURING EMPLOYEES BY INDUSTRY, IN NORTH DAKOTA, 1970-1976

(Thousands)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Prod.	3.5	3.3	3.6	3.4	3.3	3.0	3.1
Lumber & Wood Prod.	---	---	.4	.5	.3	.3	.2
Printing & Publishing	2.4	1.8*	---	---	---	3.5	3.6
Stone, Clay, Glass Prod.	---	---	1.0	1.4*	1.3*	1.1	1.1
Fabricated Metal Prod.	1.0	1.1*	---	---	.4*	.5	.5
Machinery, Exc. Elec.	1.3	1.3	1.8	2.5	3.1	3.8	3.7
Misc. Mfg. Industries	.2	.2	.3	.5	.3	.5	.5
Admin. & Auxiliary	---	---	---	---	.2	.2	.2
State Total**	8.4	7.7	7.1	8.3	8.9	12.9	12.9

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.08

TOTAL PAYROLL FOR ALL EMPLOYEES BY INDUSTRY, IN NORTH DAKOTA, 1970-1976

(Millions of Dollars)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Prod.	$22.7	$22.9	$27.0	$25.7	$28.1	$32.8	$37.3
Lumber & Wood Prod.	----	----	2.7	2.8	1.7	1.8	1.7
Printing & Publishing	18.9	11.4*	----	----	----	17.3	19.6
Stone, Clay, Glass Prod.	----	----	7.0	14.4*	12.3*	10.3	10.3
Fabricated Metal Prod.	6.8	5.9*	----	----	4.2*	4.1	5.5
Machinery, Exc. Elec.	9.6	10.2	16.0	19.6	29.8	34.6	42.9
Misc. Mfg. Industries	1.2	1.1	2.1	2.9	2.5	3.2	4.0
Admin. & Auxiliary	----	----	----	----	2.2	2.0	3.9
State Total**	59.2	70.3	78.6	96.2	106.0	119.6	139.4

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.09

COST OF MATERIALS USED IN MANUFACTURING BY INDUSTRY, IN NORTH DAKOTA, 1970-1976
(Millions of Dollars)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Prod.	$175.0	$179.4	$192.4	$203.1	$302.4	$345.8	$360.1
Lumber & Wood Prod.	----	----	8.5	8.3	5.8	6.4	6.2
Printing & Publishing	10.5	3.6*	----	----	----	12.2	14.4
Stone, Clay, Glass Prod.	----	----	12.0	16.9*	26.3*	27.3	23.8
Fabricated Metal Prod.	14.8	98.6*	----	----	18.8*	15.5	17.3
Machinery, Exc. Elec.	19.9	20.8	37.1	51.4	88.3	133.6	140.1
Misc. Mfg. Industries	1.0	.7	1.6	1.9	1.7	6.3	5.5
State Total**	310.3	349.8	379.3	428.1	669.7	809.3	864.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.10

VALUE OF MANUFACTURING SHIPMENTS IN MANUFACTURING BY INDUSTRY, IN NORTH DAKOTA, 1970-1976
(Millions of Dollars)

	1970	1971	1972	1973	1974	1976	1977
Food & Kindred Prod.	$236.7	$242.8	$261.2*	$276.5*	$407.5	$ 442.5	$ 464.9
Lumber & Wood Prod.	----	----	21.6	22.3	9.1	9.8	9.6
Printing & Publishing	43.8	24.1*	----	----	----	46.0	47.8
Stone, Clay, Glass Prod.	----	----	32.1	78.2*	52.3	39.5	43.8
Fabricated Metal Prod.	29.6	34.8*	----	----	27.7	24.7	28.0
Machinery, Exc. Elec.	38.8	42.6	76.1	107.6	164.8	229.2	246.4
Misc. Mfg. Industries	3.4	2.4	4.4	6.1	5.1	11.9	13.6
State Total**	494.3	536.1	593.9	773.2	982.1	803.6	1,236.2

SOURCE: U.S. Dept of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.11

TOTAL PRODUCTION WORKER WAGES BY INDUSTRY, IN NORTH DAKOTA, 1970-1976

(Millions of Dollars)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Prod.	$13.2	$12.3	$15.7	$14.8	$18.3	$18.9	$21.8
Lumber & Wood Prod.	----	----	2.2	2.2	1.2	1.2	1.1
Printing & Publishing	12.1	7.2*	----	----	----	9.1	10.2
Stone, Clay, Glass Prod.	----	----	5.2	11.6*	8.9*	8.5	8.4
Fabricated Metal Prod.	4.2	3.8*	----	----	3.0*	2.9	3.3
Machinery, Exc. Elec.	6.0	5.8	9.3	12.0	18.3	21.3	22.8
Misc. Mfg. Industries	.9	.8	1.4	2.0	1.7	2.9	3.5
State Total**	46.1	42.9	47.7	62.5	68.7	74.3	78.7

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.12

VALUE ADDED BY MANUFACTURE BY INDUSTRY, IN NORTH DAKOTA, 1970-1976

(Millions of Dollars)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Prod.	$60.9	$67.6	$66.9	$63.8	$109.1	$96.0	$109.2
Lumber & Wood Prod.	----	----	5.2	6.3	3.4	3.6	3.4
Printing & Publishing	32.9	20.5*	----	----	----	31.8	33.4
Stone, Clay, Glass Prod.	----	----	20.4	60.5*	26.3*	11.9	19.8
Fabricated Metal Prod.	14.8	15.8*	----	----	8.4*	9.6	11.1
Machinery, Exc. Elec.	25.3	19.5	39.6	60.4	86.9	98.5	115.1
Misc. Mfg. Industries	2.5	1.8	2.8	3.6	3.6	5.5	8.4
State Total**	188.8	189.0	200.7	330.1	325.9	323.7	387.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.13

TOTAL NUMBER OF PRODUCTION WORKERS BY INDUSTRY, IN NORTH DAKOTA, 1970-1976

(Thousands)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Products	2.3	2.1	2.4	2.2	1.9	1.6	1.6
Lumber & Wood Products	---	---	.3	.4	.2	.2	.2
Printing & Publishing	1.6	1.1*	---	---	---	2.1	2.0
Stone, Clay, Glass Prod.	---	---	.7	1.2*	1.0*	.9	.8
Fabricated Metal Products	.7	.7*	---	---	.3*	.3	.4
Machinery, Exc. Elec.	1.0	.9	1.3	1.9	2.3	2.6	2.5
Misc. Mfg. Industries	.2	.2	.3	.4	.3	.4	.4
State Total**	7.3	6.9	7.1	9.0	8.4	9.2	8.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.14

TOTAL NUMBER OF PRODUCTION WORKER MAN-HOURS BY INDUSTRY, IN NORTH DAKOTA, 1970-1976

(Millions of Man-Hours)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Products	4.6	4.3	5.2	4.6	4.1	3.3	3.0
Lumber & Wood Products	---	---	.7	.7	.4	.4	.4
Printing & Publishing	3.1	2.2*	---	---	---	3.2	3.2
Stone, Clay, Glass Prod.	---	---	1.3	3.2*	1.8*	1.7	1.7
Fabricated Metal Products	1.4	1.6*	---	---	.7*	.7	.8
Machinery, Exc. Elec.	2.1	2.0	2.8	3.8	4.9	4.6	4.5
Misc. Mfg. Industries	.4	.4	.5	.7	.5	.8	.9
State Total**	14.8	14.5	14.4	18.2	16.8	16.8	16.4

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.15

NEW CAPITAL EXPENDITURES IN MANUFACTURING BY INDUSTRY, IN NORTH DAKOTA, 1970-1976
(Millions of Dollars)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Prod.	$ 4.9	$ 6.0	$ 5.3	$ 3.9	$ 6.6	$ 5.3	$37.3
Lumber & Wood Prod.	---	---	.3	----	.3	---	----
Printing & Publishing	1.3	2.2*	1.9	----	---	4.4	2.8
Stone, Clay, Glass Prod.	---	---	1.8	12.0*	4.2*	2.8	1.6
Fabricated Metal Prod.	---	---	---	----	.2*	.1	---
Machinery, Exc. Elec.	.4	.6	2.1	1.4	12.3	7.9	8.1
Misc. Mfg. Industries	---	.1	.3	----	.1*	.5	2.1
State Total**	10.1	11.3	13.3	23.8	27.8	23.2	54.9

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

TABLE 12.16

END OF YEAR INVENTORIES IN MANUFACTURING ESTABLISHMENTS BY INDUSTRY, IN NORTH DAKOTA, 1970-1976
(Millions of Dollars)

	1970	1971	1972	1973	1974	1975	1976
Food & Kindred Prod.	$19.0	$23.3	$----	$16.4	$ 32.9	$ 24.3	$ 43.3
Lumber & Wood Prod.	----	----	----	1.9	1.4	1.5	1.6
Printing & Publishing	.8	.7*	----	----	----	2.8	2.8
Stone, Clay, Glass Prod.	----	----	----	5.7*	6.1*	4.8	4.0
Fabricated Metal Prod.	6.3	5.9*	----	----	3.8*	4.2	5.1
Machinery, Exc. Elec.	10.7	10.2	----	29.8	61.6	58.9	76.3
Misc. Mfg. Industries	1.0	1.1	----	1.7	1.4	4.1	4.4
State Total**	52.0	62.2	----	83.6	128.4	135.1	158.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Standard error in excess of 15% or otherwise inconsistent.

** Individual items may not sum to state totals due to rules prohibiting disclosure of individual firm data.

THE PUBLIC SECTOR

Government Finances
Social Insurance and Welfare Services
Education
Government and Elections
Law Enforcement, Courts, and Prisons
Public Lands, Parks, Recreation, and Travel

TABLE 12.17

EXPORTS OF MANUFACTURED GOODS BY STATE, SELECTED YEARS, 1966-1976

State	Rank as exporter in 1976	Export value in millions of dollars				Percent change from 1972 to 1976	Estimated exports as percent of state production	Employment related to exports as percent of state employment
		1966	1969	1972[1]	1976			
United States	--	$21,299	$29,210	$36,608	$83,098	127%	7.0%	6.3%
California	1	1,786	2,721	2,809	8,072	187	7.9	7.7
Michigan	2	1,568	2,613	3,522	6,888	96	8.6	7.0
Illinois	3	1,869	2,343	2,902	6,660	129	8.1	6.9
Ohio	4	1,670	2,338	3,054	5,794	90	6.9	6.8
New York	5	1,838	2,296	2,795	5,320	90	7.0	5.8
Texas	6	1,100	1,468	1,982	5,201	162	6.7	7.2
Pennsylvania	7	1,542	1,902	2,351	4,706	100	6.5	6.3
Washington	8	602	954	1,781	3,235	82	17.2	12.5
Indiana	9	661	998	1,404	2,828	101	6.3	5.9
New Jersey	10	980	1,114	1,328	2,660	100	5.8	4.7
Massachusetts	11	600	818	920	2,502	172	9.3	8.2
Wisconsin	12	620	785	916	2,209	141	6.2	6.2
North Carolina	13	560	739	705	2,202	212	6.1	4.4
Connecticut	14	489	659	848	1,958	131	10.7	9.0
Missouri	15	369	634	577	1,622	181	5.9	5.3
Minnesota	16	326	492	654	1,567	140	7.7	7.2
Virginia	17	499	581	716	1,545	116	7.5	5.7
Iowa	18	337	412	590	1,500	154	7.2	8.6
Louisiana	19	319	396	541	1,383	156	5.5	5.0
Georgia	20	354	428	580	1,364	135	4.8	4.5

TABLE 12.17--*Continued*

State	Rank as exporter in 1976	Export value in millions of dollars				Percent change from 1972 to 1976	Estimated exports as percent of state production	Employment related to exports as percent of state employment
		1966	1969	1972[1]	1976			
Florida	21	$ 310	$ 426	$ 567	$ 1,363	140%	7.5%	6.0%
Tennessee	22	340	472	679	1,253	85	5.1	3.9
Kentucky	23	300	345	451	1,137	152	5.6	4.4
South Carolina	24	180	254	312	935	200	5.6	4.4
Alabama	25	186	318	287	832	190	4.6	3.8
Oregon	26	143	240	237	824	248	6.7	6.9
Mississippi	27	137	181	236	698	196	6.4	4.5
Arkansas	28	134	204	320	651	103	6.1	3.8
Maryland	29	236	362	314	641	104	4.3	4.3
Arizona	30	106	157	266	639	140	10.3	11.6
Kansas	31	152	241	283	635	124	4.3	6.1
Colorado	32	94	157	245	616	151	6.5	6.6
Oklahoma	33	117	158	252	579	130	5.7	5.7
West Virginia	34	206	235	295	447	52	5.6	3.8
Nebraska	35	62	100	134	309	131	3.5	4.2
New Hampshire	36	52	74	103	291	183	8.3	7.4
Rhode Island	37	92	110	107	268	150	5.9	5.0
Maine	38	49	77	83	255	207	5.8	4.2
Alaska	39	31-46	33-48	(2)	233	---	23.5	22.8
Utah	40	58	48	127	224	76	4.8	5.2

TABLE 12.17--*Continued*

State	Rank as exporter in 1976	Export value in millions of dollars				Percent change from 1972 to 1976	Estimated exports as percent of state production	Employment related to exports as percent of state employment
		1966	1969	1972[1]	1976			
Vermont	41	$ 43	$ 52	$ 52	$ 200	285%	9.7%	8.5%
Delaware	42	58	124	128	188	47	3.7	2.9
Hawaii	43	10-25	10-25	(2)	183	---	9.9	11.2
Idaho	44	27	35	27	169	526	4.9	4.0
NORTH DAKOTA	45	4	7	14	85	508	6.8	9.9
New Mexico	46	23	16	18	69	283	4.5	2.6
South Dakota	47	8	13	(3)	68	---	4.2	4.8
Montana	48	16	14	(2)	44	---	1.7	1.8
Nevada	49	5-10	10-25	7	27	286	3.8	2.2
Wyoming	50	1-5	1-5	(2)	10	---	1.2	----

SOURCE: U.S. Department of Commerce, State Export Services, North Dakota Exports, 1978.

[1] Includes values withheld for five states listed below.

[2] Estimate withheld to avoid disclosing figures for individual companies.

[3] Figure withheld because the estimate did not meet publication standards.

-- Not applicable.

13.00

GOVERNMENT FINANCES

Government is important not only from a social and political perspective, but also because its economic impact is considerable. This section provides information on taxing and spending by government at all levels: federal, state and local.

Official records and reports of the North Dakota Tax Commissioner are a primary source of information about governmental revenues in the state. In addition to the Tax Commissioner's *Biennial Report*, the North Dakota Tax Department publishes annual statistical reports on *Property Taxes Levied and Property Valuation*, a *Sales Ratio Study*, and *Sales and Use Taxes*. City-level property tax data have been collected by the North Dakota League of Cities and published in *Taxable Valuation and Tax Levies in North Dakota Cities*. Basic data on state level appropriations and expenditures are available from the North Dakota Legislative Council through its *State of North Dakota Budget* and Final Budget Status Reports.

The U.S. Department of Commerce publishes periodic reports on Government Finances, prepared by the Bureau of the Census. Although official North Dakota records are used in the compilations on state and local government finances, the Census Bureau has found it necessary at times to classify and present the statistics in terms of its own system of uniform concepts and categories rather than according to diverse terminology and structure of individual governments. Consequently, there may be differences between similar data derived from state and federal source documents.

Data on federal government outlays are published in *Geographic Distribution of Federal Funds in North Dakota*. This document, prepared annually for the Executive Office of the President, provides highly detailed information on the amounts and types of federal outlays in North Dakota, its counties, and larger cities. Federal revenue sharing statistics are published by the Office of Revenue Sharing of the U.S. Department of the Treasury in a periodic *Entitlements* series.

Historical comparisons of tax data can be very misleading unless changes in tax rates and in the taxable base are taken into account. For example, through the years, North Dakota sales and use tax rates have ranged from 2% to 4%. The taxable base has also experienced many changes since the initial sales tax law went into effect in 1935. The most recent change came in 1976 when voters approved an initiated measure which reduced the sales tax from 4% to 3%, eliminated the tax on electricity, and reduced the rate to 2% on farm machinery and irrigation equipment. Another example is the recent reduction in state income tax rates, which will have a substantial impact on future income tax statistical series. Likewise, knowledge of the historical development and application of the property tax laws is important to valid interpretation of that data.

Since government impacts so many sectors of the economic system, much additional government financial data can be found in other sections of this statistical abstract as well. Detailed data on North Dakota's coal severance tax are located in the section on Energy and Related Mineral Activities; statistics on highway related taxes are presented in the section on Transportation; federal income tax information is contained in the section on Income; and data on public education finances are to be found in the Education section.

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TABLE 13.01

STATE AND LOCAL GOVERNMENT REVENUE PER CAPITA: NORTH DAKOTA AND OTHER STATES, 1975

State	Revenue Per Capita	State	Revenue Per Capita
Arkansas	$ 453.51	Pennsylvania	$ 684.02
Alabama	461.49	Iowa	702.83
Mississippi	488.89	Rhode Island	707.52
South Carolina	494.74	Montana	715.55
Tennessee	498.01	Oregon	717.25
North Carolina	529.98	Washington	738.86
Oklahoma	539.71	Colorado	740.02
Georgia	552.99	Vermont	748.31
Kentucky	555.30	Michigan	748.47
Missouri	571.51	Arizona	750.63
Florida	575.64	Illinois	771.55
New Hampshire	578.45	Delaware	772.19
Ohio	583.33	Connecticut	782.10
Indiana	586.92	New Jersey	793.15
West Virginia	591.22	Wisconsin	794.01
Texas	593.17	Maryland	818.61
South Dakota	600.73	Minnesota	831.91
Idaho	603.44	Nevada	848.14
Utah	604.90	Wyoming	878.19
New Mexico	610.66	Massachusetts	901.93
Virginia	615.44	District of Columbia	911.10
Louisiana	615.45	Hawaii	968.57
Kansas	659.82	California	978.84
Nebraska	661.46	New York	1,140.44
NORTH DAKOTA	673.16	Alaska	1,984.11
Maine	679.02		

SOURCE: North Dakota Tax Department, Taxes and North Dakota, January 1978.

TABLE 13.02

PERCENTAGE OF TAXPAYERS' PERSONAL INCOME WHICH BECOMES STATE AND LOCAL GOVERNMENT REVENUE: NORTH DAKOTA AND OTHER STATES, 1975

State	Percentage of Personal Income	State	Percentage of Personal Income
Alabama	9.99%	Iowa	11.98%
Arkansas	10.07	South Dakota	11.99
Ohio	10.10	West Virginia	12.00
Tennessee	10.28	Mississippi	12.09
Florida	10.29	Dist. of Columbia	12.32
Oklahoma	10.29	Rhode Island	12.33
Missouri	10.47	Colorado	12.46
Indiana	10.53	Utah	12.49
Texas	10.62	Michigan	12.52
South Carolina	10.64	Oregon	12.59
Virginia	10.65	New Mexico	12.64
New Hampshire	10.68	Louisiana	12.71
North Carolina	10.76	Nevada	12.85
Georgia	11.02	Maryland	12.92
Kansas	11.07	Montana	13.29
Nebraska	11.27	Arizona	14.05
NORTH DAKOTA	11.34	Wisconsin	14.21
Illinois	11.40	Maine	14.25
Kentucky	11.40	Minnesota	14.44
Connecticut	11.50	Wyoming	14.50
Pennsylvania	11.65	Hawaii	14.53
Idaho	11.69	Massachusetts	14.92
New Jersey	11.73	California	14.96
Washington	11.77	Vermont	15.27
Delaware	11.90	New York	17.43
		Alaska	21.03

SOURCE: North Dakota Tax Department, Taxes and North Dakota, January 1978.

TABLE 13.04

NORTH DAKOTA STATE EXPENDITURES BY FUNCTION, SELECTED FISCAL YEARS, 1965-1977 (Thousands of Dollars)

	1965	1970	1975	1976	1977
Total Expenditures	$199,265	$280,977	$490,614	$575,856	$678,657
Gen. Expenditure for All Functions	188,204	268,933	464,387	537,055	627,484
Intergovt. Expend.	29,786	65,966	122,249	148,253	162,021
Direct Expenditures	158,418	202,967	342,138	388,802	465,463
Insurance Trust	11,061	12,044	26,227	38,801	51,173
Education - Total	51,976	110,494	178,507	218,121	233,411
Aid to Local Dist.	17,793	43,241	84,222	101,960	110,503
Higher Education	31,379	57,630	81,305	102,824	107,851
Other Education	2,804	9,623	12,980	13,337	15,057
Public Welfare	17,926	26,730	42,690	47,519	64,588
Highways	59,376	60,815	82,772	99,589	111,088
Hospitals	6,590	10,876	18,027	19,804	22,800
Health	1,639	2,714	4,871	6,302	7,377
Police	869	1,177	2,212	2,699	4,074
Correction	1,292	1,713	3,280	3,633	4,216
Natural Resources	6,954	11,990	21,432	23,868	29,650
Agriculture	4,751	8,133	15,390	16,602	19,066
Fish & Game	989	1,428	1,693	2,299	2,370
Forestry & Parks	192	676	631	854	2,823
Other	1,022	1,753	3,718	4,113	5,391
Employ. Security Adm.	1,977	2,913	2,203	3,002	1,979
Financial Adm.	2,378	3,497	5,934	6,734	7,940
General Control	1,318	1,417	4,288	3,744	6,035
Judicial	392	624	1,144	1,318	1,541
Legislative	636	311	2,139	901	2,874
Other	290	482	1,005	1,525	1,620
Airports	29	379	266	448	648
Commercial Activities*	29,025	20,013	62,384	54,929	48,971
Protective Inspection & Regulation	1,619	2,469	3,635	4,539	4,661
General Public Bldgs.	-------	-------	1,000	2,197	2,531
Veteran's Services	50	152	2,920	562	256
Libraries	67	442	738	524	624
Interest on Gen. Debt	904	1,293	2,713	2,960	3,534
Expenditures not Classified	4,215	9,849	24,515	35,881	73,101

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, State Government Finances, various years.

* North Dakota Mill & Elevator and State Bank of North Dakota.

TABLE 13.03

NORTH DAKOTA STATE GENERAL FUND REVENUE BY SOURCE, SELECTED BIENNIA,[1] 1969-1979

Source	1969-1971	1971-1973	1973-1975	1975-1977	1977-1979[2]
Interest on Public Funds	$ 3,165,000	$ 3,320,000	$ 11,095,000	$ 19,345,000	$ 15,375,000
Oil Production Tax	3,290,000	3,280,000	5,420,000	10,895,000	15,100,000
Department Fees and Licenses	4,630,000	5,590,000	7,000,000	7,800,000	6,651,000
Other Income[3]	5,165,000	6,335,000	7,655,000	6,695,000	4,575,000
Insurance Premium Tax	6,155,000	7,660,000	9,040,000	11,120,000	1,374,000
Transfer-Mill, Bank, & Gas Tax	7,770,000	7,800,000	10,335,000	19,520,000	22,475,000
Liquor and Beer Tax	9,165,000	10,440,000	11,795,000	12,200,000	12,000,000
Cigarette, Cigar and Tobacco	9,495,000	10,700,000	11,460,000	12,810,000	12,450,000
Income Tax	38,790,000	55,310,000	101,555,000	124,495,000	149,168,000
Sales and Use Tax	96,880,000	130,220,000	170,390,000	217,350,000	182,778,000
Business Privilege Tax	4,205,000	10,480,000	17,405,000	21,045,000	23,600,000
Coal Severence Tax[4]	-----------	-----------	-----------	3,095,000	6,309,000
Coal Conversion Tax	-----------	-----------	-----------	-----------	3,285,000
Total	$188,710,000	$251,135,000	$363,150,000	$466,370,000	$467,007,000

SOURCE: North Dakota Legislative Council, State of North Dakota Budget, various biennia.

[1] All numbers rounded to nearest thousand.

[2] Estimated.

[3] Includes carline tax, mineral leasing, and reciprocity payments.

[4] Enacted in 1975.

TABLE 13.06

MAJOR STATE GENERAL FUND APPROPRIATIONS FOR ASSISTANCE TO POLITICAL SUBDIVISIONS FROM 1975-77 THROUGH 1977-79

	1975-77	1977-79
Foundation Program	$141,378,805[1]	$175,752,000[1]
Special Education	7,252,096	10,750,000
Agricultural & Training Schools	-----------	-----------
Vocational Education	7,000,000	9,098,013
State Aid to Junior Colleges	2,768,150	4,206,241[2]
Vocational Education Grants to Junior Colleges	-----------	-----------
Homestead Tax Credit	4,036,014	2,900,000
School Lunch Program	750,000	1,150,358
Personal Property Tax Replacement	21,900,000	24,300,000
County School Reorganization Committees	-----------	-----------
Health Dept. Grants to Mental Health and Retardation Centers & Human Service Centers	1,668,483	2,380,905
Law Enforcement Payment to Counties	-----------	-----------
Boys & Girls Clubwork	32,400	32,400
Insurance Tax to Fire Departments	300,000	1,300,000
Indian Welfare Assistance to Counties	228,000	228,000
Political Subdivisions Liability Fund	500,000	-----------
Bicentennial Project Grants	200,000	-----------
Soil Conservation District Grants	35,000	10,000
Water Commission Cooperative Projects with Local Entities	750,000	755,000
Local Industrial Surveys	-----------	-----------
Grasshopper Control Program	200,000	200,000
Rural Fire Protection Program	454,540	432,659
Weather Modification Matching Funds	-----------	-----------
Law Enforcement Council Grants	135,000	119,334
Bureau of Outdoor Recreation State Matching Funds	8,500	-----------
Medically Needy Children Program	-----------	1,190,000
Aid to Health Districts	-----------	600,000
Social Service Board Reimbursement to Counties for General Assistance Payments	-----------	673,776
Extinguish Coal Vein Fires	-----------	10,000
Teachers Retirement Fund	-----------	12,000,000[3]
Devils Lake Channel A or McHugh Slough	([4])	600,000
TOTAL	$190,096,988	$248,688,686

SOURCE: North Dakota Legislative Council.

[1] In addition, federal revenue sharing funds of $12,000,000 for 1975-1977, and $11,000,000 for 1977-79 were appropriated for the foundation program.

[2] This includes a deficiency appropriation of $570,000 for aid to junior colleges

[3] This is the estimated amount of the $14,500,000 appropriation in House Bill No. 1074 which relates to retirement benefits for retired public school teachers who were employed by school districts.

[4] The $600,000 appropriated for the 1975-77 biennium for Channel A or McHugh Slough was not expended during 1975-77, thus it is not reflected in the 1975-77 column since these funds were reappropriated for the 1977-79 biennium.

TABLE 13.07

NORTH DAKOTA RATE SCHEDULES FOR PERSONAL AND CORPORATE* INCOME TAX AND ESTATE TAX**

Personal Income Tax Rate Schedule

Up to $3,000	Computed at 1%
$ 3,000-$5,000	$ 30.00 + 2% over $3,000
$ 5,000-$8,000	$ 70.00 + 3% over $5,000
$ 8,000-$12,000	$ 160.00 + 4% over $8,000
$12,000-$30,000	$ 320.00 + 5% over $12,000
Over $30,000	$1,220.00 + 7½% over $30,000

Corporate Income Tax Rate Schedule

Up to $3,000	Computed at 3%
$ 3,000-$8,000	$ 90.00 + 4% over $3,000
$ 8,000-$15,000	$ 290.00 + 5% over $8,000
$15,000-$25,000	$ 640.00 + 6% over $15,000
Over $25,000	$1,240.00 + 8½% over $25,000

Estate Tax Rate Schedule

Computation of Maximum Credit for State Death Taxes (Based on Federal adjusted taxable estate which is the Federal taxable estate reduced by $60,000)

Adjusted taxable estate equal to or more than-- (1)	Adjusted taxable estate less than-- (2)	Credit on amount in column (1) (3)	Rate of credit on excess over amount in column (1) (4)
$ 0	$ 40,000	$ 0	None%
40,000	90,000	0	0.8
90,000	140,000	400	1.6
140,000	240,000	1,200	2.4
240,000	440,000	3,600	3.2
440,000	640,000	10,000	4.0
640,000	840,000	18,000	4.8
840,000	1,040,000	27,600	5.6
1,040,000	1,540,000	38,800	6.4
1,540,000	2,040,000	70,800	7.2
2,040,000	2,540,000	106,800	8.0
2,540,000	3,040,000	146,800	8.8
3,040,000	3,540,000	190,800	9.6
3,540,000	4,040,000	238,800	10.4
4,040,000	5,040,000	290,800	11.2
5,040,000	6,040,000	402,800	12.0
6,040,000	7,040,000	522,800	12.8
7,040,000	8,040,000	650,800	13.6
8,040,000	9,040,000	786,800	14.4
9,040,000	10,040,000	930,800	15.2
10,040,000	----------	1,082,800	16.0

SOURCE: North Dakota Tax Department.

* Personal and Corporate Income Tax Rate Schedule Effective January 1, 1978.

** Effective March 16, 1979. North Dakota Estate Tax Rates are the same as Schedule C of the Federal Estate Tax Schedule.

TABLE 13.08

NORTH DAKOTA INDIVIDUAL INCOME TAX BY COUNTY, 1965 AND 1975*

County	1965	1975
NORTH DAKOTA	$8,570,819	$46,605,246
Adams	44,891	229,604
Barnes	157,267	1,001,278
Benson	100,292	556,663
Billings	2,774	13,838
Bottineau	150,809	921,059
Bowman	66,884	376,055
Burke	65,594	321,064
Burleigh	685,160	3,535,528
Cass	1,455,136	7,165,331
Cavalier	101,941	1,117,966
Dickey	68,917	412,359
Divide	60,781	405,773
Dunn	17,325	78,339
Eddy	43,745	264,883
Emmons	41,759	207,614
Foster	62,793	365,911
Golden Valley	41,403	169,227
Grand Forks	853,040	4,099,950
Grant	31,792	117,877
Griggs	67,489	357,892
Hettinger	62,209	417,443
Kidder	31,856	132,357
La Moure	85,037	605,133
Logan	29,634	157,013
McHenry	94,656	504,375
McIntosh	39,445	166,548
McKenzie	67,163	281,088
McLean	155,114	867,488
Mercer	64,810	386,213
Morton	189,902	1,064,362
Mountrail	103,353	563,415
Nelson	92,587	608,552
Oliver	10,564	99,104
Pembina	202,868	1,999,292
Pierce	75,385	359,834
Ramsey	243,742	1,166,171
Ransom	72,331	544,319
Renville	73,686	425,000
Richland	210,545	1,477,072
Rolette	67,514	463,349

TABLE 13.08--*Continued*

County	1965	1975
Sargent	$ 50,250	$ 463,225
Sheridan	28,245	170,211
Sioux	15,085	49,991
Slope	4,771	18,988
Stark	205,988	994,281
Steele	52,913	511,157
Stutsman	294,605	1,642,380
Towner	65,390	501,037
Traill	135,742	1,126,153
Walsh	463,109	1,623,107
Ward	730,115	3,644,720
Wells	109,796	621,650
Williams	322,617	1,737,007

SOURCE: North Dakota Tax Department, unpublished data.

* Estimates based on resident returns (Form 37) excluding fiduciary, amended, or delinquent returns. Statistics are categorized by the counties indicated by filers and thus do not reflect where income was earned. Note also that a significant portion of the change from 1965-1975 may be attributed to changes in tax rates and tax statutes.

TABLE 13.05

NORTH DAKOTA LEGISLATIVE APPROPRIATIONS BY FUNCTION, SELECTED BIENNIA, 1969-1979

	1969-1971		1971-1973		1973-1975	
	General*	Special*	General*	Special*	General*	Special*
General Government	$ 9,705,040	$ 4,191,990	$ 12,440,509	$ 5,338,595	$ 14,693,825	$ 6,637,363
Education	103,440,459	54,521,385	114,438,723	40,079,311	170,553,405	71,605,457
Health and Welfare	33,444,204	56,437,764	37,154,110	69,955,196	46,040,407	87,855,182
Regulatory Agencies	2,840,306	10,069,744	2,918,195	8,770,163	3,421,965	10,048,472
Agriculture, Industrial Development, Promotion	7,526,050	10,458,187	8,416,925	11,351,234	10,340,702	13,782,893
Recreation and Natural Resources	3,951,852	7,061,776	4,652,401	10,404,530	5,893,688	12,151,404
Highways	------------	113,458,982	------------	110,170,955	------------	140,287,728
Public Safety and Security	2,948,220	5,545,632	3,254,869	9,875,515	4,341,245	10,591,091
Miscellaneous	19,830,000	------------	42,980,000	19,000,000	19,400,000	------------
Total	183,686,131	261,745,460	226,255,732	267,845,499	274,685,237	352,959,590
Total (General and Special)	$445,431,591		$494,101,231		$627,644,827	

TABLE 13.05--*Continued*

	1975-1977		1977-1979	
	General*	Special*	General*	Special*
General Government	$ 37,086,884	$ 34,839,499	$ 29,881,495	$ 21,407,131
Education	259,618,711	58,502,358	358,309,426	95,603,774
Health and Welfare	74,025,339	109,261,494	100,014,603	131,314,362
Regulatory Agencies	5,808,236	15,183,118	7,721,784	33,478,650
Agriculture, Industrial Development, Promotion	15,836,548	21,281,823	19,752,591	28,937,353
Recreation and Natural Resources	14,103,245	15,671,277	17,253,306	20,110,696
Highways	------------	168,775,671	------------	222,619,750
Public Safety and Security	12,070,598	12,666,512	13,532,275	10,864,259
Miscellaneous	23,980,000	------------	27,351,931	353,190
Total	442,529,561	436,181,752	573,817,411	564,689,165
Total (General and Special)	$878,711,313		$1,138,506,576	

SOURCE: North Dakota Legislative Council, Final Budget Status Reports, various biennia.

* "General" refers to expenditures from the General Fund of the State. "Special" refers to expenditures from other money, such as federal aid and dedicated funds.

TABLE 13.09

NORTH DAKOTA ESTATE TAXES ASSESSED BY COUNTY, SELECTED FISCAL YEARS, 1950-1978

County	FY 1950	FY 1960	FY 1970	FY 1975	FY 1976	FY 1977	FY 1978
NORTH DAKOTA	$356,054	$739,011	$2,605,381	$5,073,495	$6,083,485	$3,655,881	$3,058,596
Adams	3,050	3,926	24,381	41,333	37,981	12,645	14,466
Barnes	4,734	21,823	100,873	153,508	342,084	112,784	82,616
Benson	3,685	5,108	16,870	53,666	60,897	56,001	13,543
Billings	614	1,108	2,857	6,370	6,079	4,077	2,485
Bottineau	6,141	6,055	26,530	115,073	148,249	125,358	38,689
Bowman	1,545	8,832	14,225	52,623	43,795	47,560	50,304
Burke	1,644	8,834	28,862	26,228	21,254	41,936	14,439
Burleigh	21,215	35,840	184,800	250,598	311,916	183,810	68,698
Cass	52,117	105,290	257,994	884,642	583,893	463,507	780,851
Cavalier	3,976	11,313	69,895	83,481	119,609	58,804	50,168
Dickey	6,512	6,204	100,239	54,903	63,541	33,950	29,535
Divide	5,947	11,093	32,075	53,966	127,083	79,436	26,316
Dunn	1,733	2,042	11,205	50,403	23,144	26,062	9,564
Eddy	1,148	1,060	8,972	38,204	29,225	35,014	8,370
Emmons	634	3,648	7,745	22,735	32,897	4,767	22,082
Foster	976	3,883	7,560	29,467	109,955	16,116	27,922
Golden Valley	743	5,145	16,277	74,148	14,624	18,997	37,449
Grand Forks	38,757	53,251	253,082	301,310	515,024	236,760	181,030
Grant	1,422	4,832	9,300	11,237	27,657	10,585	7,271
Griggs	1,257	10,216	22,788	56,051	47,000	29,526	17,397
Hettinger	3,084	5,310	12,699	28,919	73,775	17,277	17,636
Kidder	442	1,707	22,887	21,672	33,956	40,340	7,973
La Moure	337	6,836	40,575	63,240	58,047	75,633	64,365
Logan	403	2,388	38,805	15,863	41,215	9,730	6,723
McHenry	4,074	2,880	35,830	58,697	47,097	57,682	36,443
McIntosh	1,629	3,556	18,151	24,288	42,698	16,735	9,481
McKenzie	884	11,066	50,604	33,551	45,832	23,927	10,602

TABLE 13.09--*Continued*

County	FY 1950	FY 1960	FY 1970	FY 1975	FY 1976	FY 1977	FY 1978
McLean	$ 8,276	$ 11,284	$ 41,697	$ 72,858	$ 82,764	$ 50,802	$ 43,170
Mercer	1,547	1,774	7,899	21,722	20,942	7,674	15,249
Morton	5,851	9,401	74,757	99,399	48,455	59,324	67,201
Mountrail	1,028	8,299	46,923	63,904	125,220	174,881	24,153
Nelson	4,028	8,389	16,183	99,643	66,069	123,902	19,968
Oliver	761	654	501	10,625	45,834	740	388
Pembina	24,915	31,567	73,399	100,104	187,917	54,344	44,758
Pierce	6,029	6,217	11,645	46,879	50,008	23,149	20,228
Ramsey	6,593	28,828	66,123	141,632	199,316	52,444	66,216
Ransom	8,852	19,483	37,479	80,733	69,953	64,755	79,409
Renville	1,596	3,968	23,457	42,946	34,378	54,858	53,210
Richland	8,740	39,935	107,663	189,970	194,651	124,765	76,779
Rolette	4,574	2,761	25,591	23,015	104,897	40,546	23,154
Sargent	3,082	3,047	16,999	126,203	71,118	16,555	6,683
Sheridan	300	355	7,249	18,304	19,433	8,590	1,901
Sioux	80	447	7,046	3,471	16,717	1,022	1,337
Slope	1,451	3,146	23,950	2,792	16,497	1,876	661
Stark	7,816	13,656	51,860	87,598	99,207	37,688	166,241
Steele	1,354	5,240	28,163	31,563	31,170	207,488	55,527
Stutsman	22,616	14,396	91,627	231,784	177,277	81,962	97,706
Towner	9,381	7,369	22,894	18,708	96,425	20,401	54,860
Traill	22,981	17,293	58,055	116,189	124,652	67,698	74,301
Walsh	6,162	35,732	90,069	268,969	261,504	162,236	183,739
Ward	17,251	73,890	139,534	366,750	638,579	176,434	133,754
Wells	1,044	7,177	44,553	45,337	87,303	42,132	67,456
Williams	5,935	40,401	73,422	136,066	196,130	154,036	42,359
Miscellaneous	-------	-------	---------	20,102	8,534	6,566	1,769

SOURCE: North Dakota Tax Dept., Biennial Report of the Tax Commissioner, 1950-1978.

TABLE 13.10

NORTH DAKOTA SALES* AND USE TAX COLLECTIONS BY QUARTERS, SELECTED YEARS, 1955-1978

Year	Quarter Year Ending March 31st	Quarter Year Ending June 30th	Quarter Year Ending Sept. 30th	Quarter Year Ending Dec. 31st	Calendar Year Total
1955	$ 3,467,218	$ 2,520,999	$ 3,205,146	$ 3,809,723	$ 13,003,086
1960	3,933,096	3,001,857	3,893,181	4,340,570	15,168,704
1965	6,130,059	4,587,995	6,110,965	5,777,589	22,606,608
1970	10,325,761	9,032,772	11,905,672	13,465,009	44,729,215
1971	13,398,487	10,085,528	13,180,454	14,843,032	51,507,500
1972	14,651,466	11,276,511	14,913,936	16,231,162	57,073,075
1973	16,731,507	13,529,068	17,571,478	18,420,972	66,253,025
1974	18,727,600	15,097,027	19,984,843	22,702,260	76,511,731
1975	22,750,525	16,923,009	22,400,728	26,725,684	88,799,947
1976	26,467,743	20,220,279	26,442,629	27,926,550	101,057,202
1977	27,514,854	15,077,287	24,270,502	22,634,209	89,496,851
1978	22,060,582	16,695,958	23,333,976	25,971,478	88,061,994

SOURCE: North Dakota Tax Department, North Dakota Sales and Use Tax Statistical Report, 1968 and 1978.

* Effective Jan. 1 1977, sales tax on agricultural equipment decreased from 4¢ to 2¢ per $1.00; sales tax on other commodities subject to tax decreased from 4¢ to 3¢ per $1.00 value.

TABLE 13.11

NORTH DAKOTA SALES* AND USE TAX STATISTICS BY INDUSTRY, 1978

	Total Sales	Purchases	Taxable Sales & Taxable Purchases	Amount Paid
One Time Filers & Agriculture				
One Time Filers	$ 3,059,792	$ 4,507,875	$ 7,464,724	$ 161,518
Agriculture-Crops	8,914,651	19,818	556,985	16,622
Agriculture-Livestock	1,319,572	3,359	485,583	3,288
Agriculture Services	12,124,928	223,017	1,269,301	37,858
Miscellaneous	Not Reportable - Included in Final Miscellaneous			
Total	25,418,943	4,754,069	9,776,593	219,286
Mining, Building & Construction				
Coal Mining	31,448,721	1,936,218	2,259,736	67,783
Oil & Gas Extraction	171,084,311	7,502,302	22,643,162	677,681
Non-Metalic Minerals	3,879,523	28,060	1,574,411	47,243
General Building Contractors	26,949,840	14,752,339	22,830,038	678,369
Heavy Construction Contractors	20,908,224	64,908,288	72,824,812	2,184,140
Special Trade Contractors	139,691,941	67,943,262	105,879,008	3,146,474
Miscellaneous	Not Reportable - Included in Final Miscellaneous			
Total	393,962,560	157,070,469	228,011,167	6,801,690
Manufacturing - Non-Durable				
Food & Kindred Products	203,878,096	9,690,925	11,775,921	353,110
Textile Products	16,241,875	210,714	289,718	8,785
Apparel	6,055,642	6,849	358,265	10,748
Lumber & Wood Products	10,933,160	90,693	5,390,849	159,775
Furniture	9,202,625	46,677	1,790,115	53,182
Paper Products	3,237,542	767	1,206,004	36,178
Printing & Publishing	31,142,899	998,582	18,973,679	549,103
Chemicals	59,960,135	607,833	17,281,026	518,536
Petroleum & Coal Products	5,626,625	973,637	4,382,325	131,502
Miscellaneous	Not Reportable - Included in Final Miscellaneous			
Total	346,278,599	12,626,677	61,447,902	1,820,919

TABLE 13.11--*Continued*

	Total Sales	Purchases	Taxable Sales & Taxable Serivces	Amount Paid
Retail-Furniture & Appliances	$ 137,615,879	$ 5,309,556	$ 107,217,579	$ 3,205,521
Retail-Eating & Drinking	239,759,078	1,129,208	230,589,023	6,785,025
Retail- Miscellaneous	274,324,301	1,094,580	179,269,483	5,357,485
Miscellaneous	Not Reportable - Included in Final Miscellaneous			
Total	5,643,401,933	39,740,232	2,142,354,946	61,454,220
Finance, Insurance & Real Estate				
Banking	383,945	514,698	898,643	26,860
Credit Agencies	444,481	640,356	1,008,887	25,702
Insurance Carriers	305,463	114,795	118,650	3,567
Insurance Agents & Services	21,977	15,373	37,350	1,120
Real Estate	1,164,495	8,500	954,022	28,145
Other Investment Offices	157,411	39,651	56,101	1,681
Miscellaneous	Not Reportable - Included in Final Miscellaneous			
Total	2,477,772	1,333,373	3,073,653	87,075
Entertainment & Services				
Hotels & Motels	56,052,375	254,761	54,579,419	1,626,268
Personal Services	32,379,522	358,512	11,481,801	339,876
Business Services	62,242,024	1,514,588	24,532,879	719,369
Auto Repair	55,069,499	237,037	24,352,458	683,837
Miscellaneous Repair	29,803,574	787,731	17,093,694	507,061
Motion Pictures	9,524,084	5,637	8,922,668	267,488
Amusement & Recreation	20,171,795	227,901	18,945,147	562,430
Miscellaneous	Not Reportable - Included in Final Miscellaneous			
Total	265,242,873	3,386,167	159,908,066	4,706,329
Legal, Educational & Social Services				
Health	16,396,993	3,039,199	4,545,871	134,284
Educational	351,927	594	157,767	4,736
Membership Organizations	19,289,173	33,265	18,895,342	566,874

TABLE 13.11--*Continued*

	Total Sales	Purchases	Taxable Sales & Taxable Services	Amount Paid
Manufacturing - Durable				
Rubber & Plastics	$ 3,181,115	$ ---------	$ 2,082,874	$ 62,524
Stone, Clay & Glass	61,941,115	1,051,791	44,201,396	1,280,470
Metal Products	37,084,266	5,971	19,403,801	582,111
Fabricated Metal	93,135,811	2,319,342	29,978,047	892,834
Machinery	122,949,248	986,726	25,156,279	724,167
Electric & Electronic	55,856,921	2,630,826	45,641,954	1,368,815
Transportation Equipment	12,121,224	136,394	2,297,993	66,885
Instruments	24,881,636	262,982	8,877,228	266,370
Miscellaneous Mfg.	27,795,692	390,186	6,773,873	203,008
Miscellaneous	Not Reportable - Included in Final Miscellaneous			
Total	438,947,028	7,784,218	184,413,445	5,447,184
Public Utility Services				
Trucking & Warehousing	2,265,407	317,024	755,331	22,684
Air Transportation	4,487,179	91,223	1,386,270	41,482
Pipelines, Except Natural Gas	381,533	746,316	1,127,849	33,835
Communication Services	126,096,557	3,195,122	79,373,517	2,380,723
Electric, Gas & Water	230,348,579	13,666,326	77,604,764	2,320,258
Miscellaneous	27,513,893	14,061,127	14,631,427	491,407
Total	391,093,148	32,077,138	174,879,158	5,290,389
Wholesale & Retail				
Wholesale - Durable	1,464,911,592	10,268,603	631,920,879	16,550,929
Wholesale - Non-Durable	1,167,892,057	3,346,560	59,610,186	1,785,830
Retail - Bldg. Hardware	570,586,027	10,369,072	303,768,811	9,057,308
Retail - Gen Merchandise	257,945,919	3,260,809	240,550,300	7,209,075
Retail - Food	432,632,791	1,240,020	84,845,970	2,540,272
Retail - Auto Sales & Supply	983,722,569	3,554,505	194,888,388	5,684,629
Retail - Apparel	114,011,720	177,319	109,694,327	3,278,146

TABLE 13.11--*Continued*

	Total Sales	Purchases	Taxable Sales & Taxable Purchases	Amount Paid
Miscellaneous Services	$ 494,844	$ 38,213	$ 351,188	$ 10,491
Miscellaneous	54,471	1,617	43,877	1,318
Total	36,587,408	3,112,888	23,994,045	717,703
Governmental Services (Total)	12,820	1,415	7,705	229
Final Miscellaneous	439,024	61,704	378,986	9,674
Grand Total	7,543,862,108	261,948,350	2,988,245,666	86,554,698

SOURCE: North Dakota Tax Department, Sales and Use Tax Statistical Report, 1978.

* Effective January 1, 1977, Sales Tax on farm machinery and irrigation equipment decreased from 4¢ to 2¢ per $1.00 value; Sales Tax on other commodities subject to tax decreased from 4¢ to 3¢ per $1.00.

TABLE 13.12

SALES AND USE TAX COLLECTIONS BY NORTH DAKOTA COUNTY, 1971-1977

County	1971	1972	1973	1974	1975	1976	1977
NORTH DAKOTA	$50,043,979	$55,966,238	$64,619,442	$74,960,076	$86,787,447	$99,143,056	$83,480,073
Adams	256,203	273,822	324,607	357,054	372,081	407,408	302,888
Barnes	982,995	1,066,399	1,198,198	1,340,689	1,625,399	1,662,997	1,261,018
Benson	235,556	244,942	281,129	327,124	398,664	419,276	243,957
Billings	39,149	44,226	50,026	52,262	64,503	64,629	54,031
Bottineau	515,488	568,563	664,756	780,551	933,243	931,663	634,623
Bowman	291,872	322,156	385,829	435,205	556,746	500,062	401,683
Burke	222,587	246,482	263,343	313,320	328,707	369,890	240,632
Burleigh	4,761,915	5,502,073	6,256,106	7,046,557	8,169,274	7,887,979	7,172,030
Cass	9,004,999	10,398,877	12,642,554	14,152,355	16,063,463	16,145,562	14,602,157
Cavalier	544,549	645,251	828,895	1,536,771	1,541,454	1,583,521	1,132,081
Dickey	352,788	412,708	476,710	539,816	601,947	641,610	529,985
Divide	284,143	212,873	216,697	248,317	288,956	310,962	202,509
Dunn	121,354	136,764	179,282	161,318	163,783	180,796	136,667
Eddy	206,065	224,733	247,585	258,197	282,299	324,797	237,926
Emmons	290,602	315,060	342,408	363,821	383,107	393,094	291,545
Foster	421,332	485,707	543,098	646,578	767,178	789,757	490,173
Golden Valley	131,839	159,093	192,391	209,023	205,740	270,813	167,348
Grand Forks	4,976,310	5,623,993	6,140,555	6,808,200	8,243,285	8,144,129	7,032,001
Grant	152,030	166,955	182,271	179,966	185,771	210,456	173,247
Griggs	233,811	261,856	294,241	369,287	453,427	479,228	269,536
Hettinger	276,630	324,347	381,290	437,673	452,698	476,462	394,692
Kidder	130,632	151,174	166,716	182,435	196,474	204,426	132,964
La Moure	367,341	425,157	443,532	555,689	631,031	562,316	372,665
Logan	179,044	183,561	191,440	237,262	274,054	294,054	206,339
McHenry	355,484	359,122	413,880	463,817	501,588	410,937	288,047
McIntosh	241,006	261,253	269,516	280,519	311,519	328,225	253,362
McKenzie	229,822	265,904	329,757	354,820	377,754	383,352	260,084
McLean	472,070	553,554	645,627	774,621	872,529	1,036,423	1,421,230
Mercer	443,329	562,894	645,821	734,219	866,577	542,226	412,755

TABLE 13.12--*Continued*

County	1971	1972	1973	1974	1975	1976	1977
Morton	$ 1,277,884	$ 1,470,389	$ 1,708,624	$ 1,999,596	$ 2,108,152	$ 2,423,959	$ 2,011,995
Mountrail	414,850	448,629	459,969	475,346	550,732	497,295	346,371
Nelson	333,903	354,370	408,206	474,970	618,710	771,470	453,790
Oliver	18,080	18,248	17,471	18,017	27,172	47,396	41,580
Pembina	552,558	628,292	662,824	715,078	809,013	872,700	652,705
Pierce	395,625	448,046	469,346	552,219	612,290	709,629	472,066
Ramsey	1,152,744	1,309,182	1,461,707	1,642,805	1,954,869	2,053,094	1,546,302
Ransom	356,331	415,788	475,452	549,490	617,000	574,280	436,533
Renville	165,248	186,812	220,955	275,636	333,170	366,581	247,409
Richland	811,578	973,994	1,137,309	1,419,287	1,585,512	1,703,876	1,299,484
Rolette	445,757	505,044	554,154	594,210	680,339	721,015	488,582
Sargent	223,515	275,151	361,205	419,465	492,267	494,032	324,996
Sheridan	120,428	129,114	142,576	167,450	178,001	163,236	90,982
Sioux	52,910	59,628	50,314	17,716	16,859	17,454	11,799
Slope	7,982	7,692	6,704	6,563	5,858	6,882	5,614
Stark	1,481,577	1,696,995	1,825,621	1,977,500	2,212,189	2,588,521	2,230,573
Steele	138,408	154,082	179,637	226,290	271,070	252,543	151,148
Stutsman	1,599,511	1,775,616	1,959,456	2,188,176	2,626,528	3,061,651	2,403,637
Towner	244,398	280,371	337,152	392,139	452,860	407,807	271,620
Traill	452,773	504,682	580,781	702,469	855,567	875,650	613,084
Walsh	1,026,423	1,143,299	1,326,027	1,517,401	1,785,334	1,942,487	1,348,796
Ward	4,223,790	5,009,408	5,702,460	6,484,669	7,727,953	7,647,143	6,141,725
Wells	437,550	491,283	553,888	677,863	671,541	811,033	547,215
Williams	1,457,197	1,646,471	1,835,406	2,179,585	2,561,501	3,056,848	2,727,474
Out-of-state	5,931,990	5,634,176	6,984,909	9,188,643	10,919,684	12,768,814	14,304,748

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

TABLE 13.13

TOTAL TAXABLE SALES BY NORTH DAKOTA COUNTY, 1970-1977

County	1970	1971	1972	1973
NORTH DAKOTA	$1,189,164,113	$1,272,072,720	$1,408,459,726	$1,624,884,191
Adams	6,522,830	6,455,600	6,871,382	8,163,010
Barnes	23,263,117	25,030,483	26,907,092	30,025,449
Benson	5,995,796	5,895,413	6,131,645	7,042,021
Billings	825,267	978,582	1,113,378	1,251,595
Bottineau	12,993,548	12,977,274	14,332,499	16,729,048
Bowman	7,334,284	7,297,814	8,064,570	9,663,224
Burke	6,736,983	5,761,829	6,234,442	6,628,272
Burleigh	111,068,677	120,461,961	138,074,255	156,667,006
Cass	215,140,032	227,504,263	260,639,118	317,758,228
Cavalier	10,359,191	13,961,961	16,164,420	20,770,978
Dickey	12,042,680	8,936,459	10,297,475	12,010,666
Divide	5,620,296	7,177,653	5,333,184	5,471,231
Dunn	3,219,940	3,032,726	3,432,281	4,479,073
Eddy	5,054,136	5,195,050	5,693,820	6,346,244
Emmons	8,083,789	7,588,207	7,985,604	8,631,193
Foster	10,135,471	10,556,487	12,161,963	13,601,310
Golden Valley	3,456,964	3,477,792	4,004,239	4,891,372
Grand Forks	115,997,191	124,935,678	141,005,297	154,095,995
Grant	4,089,747	3,873,004	4,179,229	4,569,774
Griggs	6,273,814	5,995,926	6,555,972	7,439,199
Hettinger	7,766,239	6,922,002	8,113,727	9,536,182
Kidder	3,271,825	3,364,501	3,822,212	4,192,256
La Moure	9,007,418	9,408,423	11,348,251	11,127,311
Logan	4,295,024	4,523,853	4,639,647	4,874,260
McHenry	9,195,222	9,005,493	8,983,389	10,350,942
McIntosh	6,373,766	6,037,131	6,553,350	6,827,531
McKenzie	5,729,274	5,745,991	6,668,701	8,284,346

TABLE 13.13--*Continued*

County	1970	1971	1972	1973
McLean	$ 12,537,891	$ 12,468,212	$ 14,183,952	$ 16,497,883
Mercer	10,887,469	11,160,853	14,124,312	16,233,165
Morton	31,586,163	32,778,075	37,099,606	43,048,278
Mountrail	10,426,523	10,792,867	11,314,170	11,537,677
Nelson	7,983,898	8,485,308	8,917,136	10,252,294
Oliver	582,993	460,394	464,911	468,508
Pembina	12,273,024	13,850,364	15,872,545	16,585,968
Pierce	9,152,243	9,968,451	11,327,832	11,961,787
Ramsey	27,247,299	28,989,457	32,825,255	36,934,011
Ransom	11,141,301	9,254,840	10,567,073	12,127,338
Renville	4,232,262	4,151,178	4,661,390	5,554,987
Richland	19,505,555	20,392,119	24,742,497	28,670,344
Rolette	10,432,913	11,236,552	12,797,388	13,892,260
Sargent	5,970,582	5,626,979	6,902,659	9,008,805
Sheridan	2,794,528	3,027,976	3,577,829	3,844,365
Sioux	1,435,241	1,386,431	1,520,588	1,255,146
Slope	208,304	201,034	173,261	171,178
Stark	36,154,773	37,407,326	42,752,711	45,991,084
Steele	3,515,413	3,445,590	3,874,539	4,518,357
Stutsman	37,222,662	40,279,136	44,525,724	49,226,422
Towner	6,413,341	6,190,433	7,039,005	8,460,203
Traill	11,370,729	11,395,140	12,745,128	14,694,658
Walsh	24,185,973	25,863,842	28,717,761	33,277,980
Ward	104,771,275	107,719,648	127,409,723	143,663,589
Wells	11,295,083	11,146,159	12,630,966	14,550,691
Williams	39,355,083	37,056,298	41,309,789	46,031,096
Out-of-state	116,629,045	155,226,417	141,090,834	174,917,601

TABLE 13.13--*Continued*

County	1974	1975	1976	1977
NORTH DAKOTA	$1,887,520,884	$2,199,473,119	$2,491,290,516	$2,619,165,267
Adams	8,925,096	9,345,731	10,226,875	9,684,714
Barnes	33,437,902	40,759,924	41,763,659	40,560,828
Benson	8,208,490	9,980,311	10,526,685	8,143,785
Billings	1,307,424	1,637,932	1,614,977	1,784,869
Bottineau	19,623,862	23,358,322	23,281,832	20,549,703
Bowman	10,897,658	13,953,116	12,547,949	13,941,003
Burke	7,847,522	8,423,047	9,435,588	7,560,947
Burleigh	181,492,355	213,056,298	199,079,648	221,871,717
Cass	355,221,323	413,545,111	406,408,496	453,369,306
Cavalier	38,564,455	38,727,780	39,598,668	36,682,112
Dickey	13,603,121	15,207,434	16,080,916	18,335,436
Divide	6,262,220	7,244,821	7,825,117	6,447,829
Dunn	4,039,185	4,100,826	4,525,128	4,465,521
Eddy	6,620,245	7,253,947	8,332,040	7,646,917
Emmons	9,107,143	9,633,534	9,835,472	9,254,275
Foster	16,200,279	19,241,079	19,814,528	16,458,892
Golden Valley	5,230,360	5,143,644	6,764,725	5,520,920
Grand Forks	170,848,684	207,808,846	204,206,387	218,748,635
Grant	4,496,048	4,662,333	5,271,858	5,188,050
Griggs	9,245,186	11,337,553	11,999,555	9,053,333
Hettinger	10,934,395	11,546,538	11,912,004	12,495,636
Kidder	4,614,607	4,924,350	5,107,931	4,764,824
La Moure	13,893,613	15,837,386	14,087,248	12,862,926
Logan	6,066,215	6,883,170	7,349,430	6,832,516
McHenry	11,956,392	12,569,963	10,305,784	9,114,091
McIntosh	7,120,703	7,815,166	8,223,062	8,707,648
McKenzie	9,005,317	9,442,840	9,586,868	8,385,644
McLean	19,486,731	21,832,147	25,922,113	47,633,112

TABLE 13.13--*Continued*

County	1974	1975	1976	1977
Mercer	$ 18,426,111	$ 21,721,426	$ 13,700,008	$ 13,106,617
Morton	50,156,459	52,932,584	61,089,460	63,814,061
Mountrail	11,907,542	13,763,964	12,701,080	10,952,820
Nelson	11,933,159	15,506,178	19,290,297	14,926,448
Oliver	488,301	793,451	1,281,370	1,296,795
Pembina	17,944,034	20,306,603	21,814,961	20,557,097
Pierce	13,862,715	15,314,427	17,741,846	15,689,557
Ramsey	41,736,491	49,037,289	51,423,677	48,944,138
Ransom	13,952,250	15,555,671	14,563,920	14,221,619
Renville	6,889,500	8,333,875	9,158,741	7,862,678
Richland	35,732,707	39,784,648	43,384,086	41,055,217
Rolette	15,287,764	17,082,957	18,066,387	15,476,277
Sargent	10,516,412	12,318,873	12,371,062	10,580,434
Sheridan	4,369,864	4,647,702	4,239,717	2,830,961
Sioux	445,893	422,004	483,318	372,227
Slope	172,051	146,394	173,895	184,865
Stark	49,894,940	55,525,047	64,926,545	70,136,432
Steele	5,646,463	6,790,158	6,320,281	5,008,045
Stutsman	54,884,572	65,790,286	76,881,248	76,666,964
Towner	9,804,970	11,358,505	10,223,895	8,858,921
Traill	17,569,079	21,427,167	21,899,608	20,160,327
Walsh	37,983,475	45,487,005	48,790,938	43,724,485
Ward	162,690,071	194,205,532	192,826,244	192,137,716
Wells	16,459,148	18,114,574	21,339,354	16,995,999
Williams	54,626,944	64,330,195	76,560,721	85,554,751
Out-of-state	229,883,438	273,503,405	319,633,141	445,629,234

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

TABLE 13.14

NORTH DAKOTA SALES AND USE TAX STATISTICS BY COUNTY, 1978

County	Total Sales	Purchases For Own Use	Taxable Sales & Purchases	Tax Paid
NORTH DAKOTA	$7,543,862,108	$261,948,350	$2,988,245,666	$86,554,698
Adams	31,284,506	389,478	11,786,912	328,607
Barnes	121,655,381	2,585,955	49,118,025	1,357,103
Benson	37,896,715	435,557	9,856,928	262,497
Billings	2,504,106	28,524	1,985,630	59,583
Bottineau	82,246,831	854,049	24,849,108	683,161
Bowman	38,286,905	514,396	15,365,308	419,200
Burke	17,788,900	47,487	7,609,790	199,594
Burleigh	444,256,041	14,448,671	252,378,630	7,489,415
Cass	1,254,877,561	17,528,772	499,737,338	14,653,593
Cavalier	42,454,040	231,675	19,552,757	534,146
Dickey	46,977,807	579,646	20,360,679	543,485
Divide	19,507,870	114,166	7,836,453	221,097
Dunn	17,866,766	61,122	9,590,678	258,262
Eddy	31,074,367	64,613	10,682,305	284,438
Emmons	24,428,303	27,423	12,041,413	332,705
Foster	37,181,771	267,811	19,774,393	530,250
Golden Valley	23,315,550	44,092	7,506,599	195,173
Grand Forks	535,340,865	9,409,227	230,830,624	6,775,459
Grant	14,492,337	67,179	7,120,514	198,722
Griggs	25,035,863	147,588	10,607,940	281,651
Hettinger	39,521,739	85,898	14,015,323	393,161
Kidder	13,235,406	50,168	5,628,648	150,200
La Moure	41,302,568	161,372	16,848,151	423,333
Logan	25,595,414	37,203	8,661,632	227,545
McHenry	44,054,140	278,473	10,401,140	298,757
McIntosh	24,103,436	63,737	11,562,485	311,042
McKenzie	29,718,204	282,524	11,101,572	305,890

TABLE 13.14--*Continued*

County	Total Sales	Purchases For Own Use	Taxable Sales & Purchases	Tax Paid
McLean	$ 58,599,692	$ 2,421,434	$ 31,055,722	$ 818,429
Mercer	37,793,996	331,620	18,379,738	527,354
Morton	156,697,789	3,983,560	76,327,199	2,187,215
Mountrail	38,755,349	398,620	13,105,386	372,145
Nelson	46,809,391	122,968	16,051,245	417,843
Oliver	3,299,770	1,728	1,327,112	36,644
Pembina	105,682,009	569,785	21,301,488	607,692
Pierce	49,039,058	664,851	19,341,327	528,000
Ramsey	117,435,404	707,580	52,455,743	1,493,931
Ransom	44,919,419	307,782	16,561,089	459,010
Renville	21,036,905	125,376	9,533,058	267,169
Richland	133,219,226	2,592,646	49,239,950	1,394,329
Rolette	51,790,090	558,870	17,859,180	509,125
Sargent	29,840,864	2,563,193	11,984,072	328,457
Sheridan	8,424,932	84,898	3,461,739	97,504
Sioux	3,526,019	11,101	421,384	12,012
Slope	356,068	2,145	233,912	7,130
Stark	168,828,601	3,265,284	88,885,175	2,582,162
Steele	18,708,661	419,537	5,194,845	161,173
Stutsman	205,678,774	5,800,596	86,417,350	2,481,492
Towner	37,328,774	218,484	11,450,875	293,592
Traill	62,140,539	371,090	21,168,790	582,052
Walsh	101,214,142	710,951	48,009,673	1,327,975
Ward	524,830,720	8,704,895	213,974,346	6,240,571
Wells	45,461,320	690,006	23,211,760	593,912
Williams	247,400,304	2,867,741	110,780,252	3,250,343
Out-Of-State	1,788,336,214	152,080,686	563,194,429	16,806,919
Consolidated SIC	370,704,686	22,564,117	150,507,852	4,452,449

SOURCE: North Dakota Tax Department, Sales and Use Tax Statistical Report, 1978.

TABLE 13.15

TAXABLE SALES AND PURCHASES AND SALES AND USE TAX PAID IN NORTH DAKOTA'S LARGEST CITIES, 1973-1978

City	Taxable Sales and Purchases[1,2]					
	1973	1974	1975	1976	1977	1978
Fargo	$ 288,872,920	$ 319,349,209	$ 374,661,765	$ 369,922,169	$ 417,144,216	$ 453,419,711
Grand Forks	139,315,249	153,801,248	189,025,013	182,238,640	198,821,578	208,400,705
Bismarck	153,036,887	177,459,507	209,002,949	191,262,509	219,451,987	249,996,004
Minot	132,836,468	148,413,887	177,117,486	175,272,474	177,545,527	193,799,295
Jamestown	47,530,379	52,455,959	61,035,635	70,839,242	70,598,110	79,484,772
Williston	35,101,193	41,696,494	48,801,798	58,470,486	66,076,019	86,948,401
Dickinson	41,216,698	44,525,373	49,854,093	58,462,937	64,140,455	80,459,598
Mandan	32,270,680	37,991,608	40,583,224	48,869,309	52,268,981	61,550,789
Devils Lake	32,473,043	36,799,526	43,078,547	46,457,063	44,012,659	46,236,242
Valley City	24,562,569	27,098,986	32,948,381	34,316,900	33,593,520	41,252,352
Grafton	18,910,576	22,332,675	26,603,496	29,646,860	26,604,573	29,443,336
West Fargo	11,213,029	13,777,355	12,981,403	13,075,497	14,122,407	16,448,805
Wahpeton	18,778,545	23,105,740	25,866,556	29,414,391	27,401,711	32,549,977

TABLE 13.19

RATIO OF ASSESSED VALUATION OF EACH CLASS OF PROPERTY TO TOTAL GENERAL PROPERTY ASSESSED VALUATION IN NORTH DAKOTA, SELECTED YEARS, 1935-1978

Year	Farm Lands	Other Real Estate	Homestead Credit Allowance	Personal	Railroad and Utility
1935	58.46	14.43	-----	10.87	16.24
1940	56.21	15.87	-----	11.89	16.03
1945	51.59	15.66	-----	16.14	16.61
1950	47.99	16.77	-----	20.13	15.00
1955	43.66	18.84	-----	22.96	14.54
1960	42.08	21.17	-----	21.37	14.38
1965	41.38	26.18	-----	19.76	12.68
1970	51.73	36.89	(.26)*	.03	11.61
1971	51.95	37.05	(.29)	.03	11.26
1972	51.21	38.01	(.38)	.03	11.03
1973	51.70	37.93	(.25)	.03	10.59
1974	50.77	39.18	(.32)	.02	10.35
1975	51.89	38.90	(.41)	.03	9.59
1976	50.34	41.00	(.41)	.03	9.04
1977	52.50	39.60	(.72)	.02	8.60
1978	50.51	41.61	(.79)	.02	8.65

SOURCE: North Dakota Tax Dept., 1977 Property Taxes Levied & 1978 Property Valuation.

* Effective for the first time in 1970 pursuant to Section 57-02-08.1, NDCC. (Added by Chapter 470, S.L., 1969).

TABLE 13.20

TOTAL GENERAL AD VALOREM PROPERTY AND
SPECIAL PROPERTY TAXES LEVIED BY
NORTH DAKOTA COUNTY, 1970-1977

County	1970	1971	1972	1973
NORTH DAKOTA	$106,482,801	$110,260,447	$114,465,248	$111,854,206
Adams	809,305	947,743	958,184	985,098
Barnes	2,892,764	2,941,511	3,034,189	3,010,131
Benson	1,315,990	1,317,646	1,372,975	1,346,216
Billings	242,684	239,185	233,750	236,343
Bottineau	1,982,879	2,032,286	2,115,352	2,031,586
Bowman	719,950	804,431	801,477	871,021
Burke	933,265	402,387	944,462	943,473
Burleigh	6,810,503	7,463,650	8,220,575	8,222,306
Cass	14,149,011	14,902,454	15,630,147	15,236,536
Cavalier	1,801,502	1,861,299	1,919,383	1,947,957
Dickey	1,227,954	1,315,003	1,324,562	1,258,478
Divide	1,013,264	1,078,460	1,093,346	1,111,213
Dunn	847,604	878,845	893,510	857,181
Eddy	746,970	755,700	828,264	758,935
Emmons	977,677	1,026,152	1,031,919	1,062,489
Foster	894,404	960,159	1,000,982	942,360
Golden Valley	539,877	581,382	617,914	594,593
Grand Forks	9,089,172	9,075,488	9,397,889	9,457,389
Grant	970,878	974,332	969,072	945,290
Griggs	870,440	887,618	882,778	875,891
Hettinger	1,060,742	1,086,806	1,051,727	1,003,573
Kidder	731,282	846,626	852,798	835,295
La Moure	1,322,051	1,332,874	1,381,303	1,333,917
Logan	682,306	687,875	701,354	684,530
McHenry	1,676,700	1,703,022	1,728,166	1,581,499
McIntosh	958,064	972,146	1,002,765	973,950
McKenzie	947,278	899,397	974,295	1,009,570
McLean	1,772,001	1,800,867	1,831,764	1,857,069
Mercer	851,773	865,483	916,782	918,351
Morton	3,057,985	3,378,059	3,414,531	3,242,394
Mountrail	1,438,610	1,443,457	1,496,761	1,546,130
Nelson	1,276,771	1,295,762	1,335,053	1,315,892
Oliver	485,826	500,529	496,383	471,464
Pembina	2,348,269	2,416,026	2,442,193	2,481,004
Pierce	1,204,359	1,245,206	1,321,480	1,269,644

TABLE 13.20--*Continued*

County	1970	1971	1972	1973
Ramsey	$ 2,405,118	$ 2,451,068	$ 2,709,522	$ 2,715,558
Ransom	1,061,420	1,110,776	1,160,805	1,124,261
Renville	883,227	965,058	976,826	966,559
Richland	3,257,657	3,327,113	3,457,658	3,338,548
Rolette	889,097	913,399	943,900	993,141
Sargent	944,675	991,787	1,036,960	1,015,195
Sheridan	608,118	630,259	663,229	623,672
Sioux	244,897	268,114	266,058	255,186
Slope	420,438	427,220	409,187	422,311
Stark	2,622,783	2,662,188	2,731,888	2,598,191
Steele	983,334	994,218	998,231	965,234
Stutsman	4,038,632	4,213,885	4,517,141	4,308,852
Towner	1,072,927	992,697	1,131,225	1,115,186
Traill	2,091,133	2,114,487	2,143,001	2,114,699
Walsh	3,157,007	3,253,622	3,277,489	3,121,891
Ward	8,040,962	8,340,714	8,522,493	7,790,084
Wells	1,406,413	1,440,284	1,573,241	1,506,022
Williams	3,654,857	3,743,693	3,727,808	366,696

County	1974	1975	1976	1977
NORTH DAKOTA	$119,619,805	$135,055,887	$146,655,808	$159,894,291
Adams	995,427	1,095,948	1,082,294	1,256,477
Barnes	3,000,052	3,459,516	3,862,190	4,147,513
Benson	1,530,866	1,715,351	1,777,567	1,900,180
Billings	283,547	277,496	280,756	284,760
Bottineau	2,118,313	2,359,981	2,732,424	2,814,107
Bowman	940,172	1,055,192	993,797	1,056,500
Burke	962,310	1,040,450	1,094,969	1,096,122
Burleigh	9,209,155	10,087,549	11,216,946	12,489,835
Cass	16,868,916	19,298,053	21,074,871	23,876,333
Cavalier	2,032,566	2,386,523	2,500,975	2,724,804
Dickey	1,316,576	1,534,792	1,723,984	1,912,286
Divide	1,143,388	1,286,276	1,420,161	1,476,893
Dunn	919,298	1,046,397	1,037,262	1,061,310
Eddy	785,579	839,325	820,497	882,387
Emmons	1,141,736	1,367,266	1,419,484	1,420,755
Foster	987,092	1,072,874	1,216,921	1,309,895
Golden Valley	625,893	700,916	712,431	781,222
Grand Forks	10,440,406	11,927,347	12,833,757	14,533,762
Grant	961,699	1,025,911	1,027,247	1,107,498
Griggs	957,758	1,099,744	1,204,604	1,288,502

TABLE 13.20--*Continued*

unty	1974	1975	1976	1977
ttinger	$ 993,803	$ 1,125,274	$ 1,232,661	$ 1,318,960
dder	909,244	1,001,723	1,054,398	1,085,840
Moure	1,364,649	1,612,857	1,790,064	1,876,703
gan	709,001	866,257	919,432	956,639
Henry	1,683,289	1,888,802	1,941,880	2,092,098
Intosh	1,000,742	1,038,902	1,050,936	1,085,835
Kenzie	1,200,157	1,318,110	1,372,250	1,467,478
Lean	1,965,087	2,132,860	2,334,494	2,703,351
rcer	932,306	1,065,001	1,298,123	1,491,680
rton	3,509,619	4,027,518	4,374,971	4,865,191
untrail	1,571,902	1,705,539	1,714,093	1,758,613
lson	1,358,586	1,569,369	1,748,329	1,738,342
iver	452,184	535,172	541,729	635,696
mbina	2,630,028	2,817,525	3,191,019	3,314,384
erce	1,289,796	1,352,489	1,439,771	1,560,716
msey	2,820,506	3,050,108	3,506,387	3,707,172
nsom	1,211,486	1,471,907	1,617,993	1,857,523
nville	977,073	1,013,245	1,055,718	1,075,976
chland	3,548,603	4,116,385	4,459,140	4,871,342
lette	976,769	1,093,921	1,158,402	1,295,298
rgent	1,060,396	1,290,069	1,380,423	1,458,825
eridan	661,164	744,866	799,700	874,999
oux	282,581	349,519	348,470	363,970
ope	468,688	504,273	489,312	506,696
ark	2,769,624	3,411,000	3,707,674	4,251,415
eele	1,026,851	1,202,801	1,309,233	1,400,469
utsman	4,471,136	5,050,091	5,480,627	5,754,215
wner	1,130,315	1,308,782	1,348,820	1,493,300
aill	2,276,945	2,559,949	2,956,560	3,112,258
lsh	3,409,805	3,813,537	4,156,852	4,521,723
rd	8,328,623	9,359,027	10,434,534	11,191,159
ells	1,631,249	1,751,885	1,982,422	2,192,733
illiams	3,796,877	4,230,218	4,426,195	4,592,555

OURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, arious years.

TABLE 13.15--*Continued*

City	Tax Paid[2]					
	1973	1974	1975	1976	1977	1978
Fargo	$ 11,496,502	$ 12,725,849	$ 14,515,582	$ 14,691,980	$ 13,517,542	$ 13,425,728
Grand Forks	5,559,782	6,134,927	7,499,327	7,272,685	6,445,577	6,184,083
Bismarck	6,109,639	6,886,060	8,008,462	7,600,225	7,091,607	7,418,970
Minot	5,277,046	5,914,378	7,047,728	6,948,189	5,697,860	5,707,115
Jamestown	1,892,327	2,092,254	2,436,991	2,819,911	2,218,976	2,283,399
Williston	1,401,344	1,663,263	1,946,040	2,355,679	2,109,617	2,556,504
Dickinson	1,635,008	1,763,358	1,985,371	2,332,023	2,052,721	2,360,334
Mandan	1,278,434	1,513,082	1,614,519	1,935,011	1,649,470	1,778,485
Devils Lake	1,283,744	1,445,481	1,718,030	1,856,593	1,393,731	1,325,513
Valley City	980,233	1,086,921	1,314,073	1,370,329	1,052,499	1,162,704
Grafton	755,373	893,307	1,062,421	1,180,968	834,296	825,335
West Fargo	441,590	544,195	514,699	517,938	444,862	470,231
Wahpeton	748,723	920,140	1,029,549	1,161,608	885,729	949,243

SOURCE: North Dakota Tax Department, Sales and Use Tax Statistical Report, various years.

[1] Excludes purchases by retailers and purchases for own use.

[2] Data for 1976-1978 are net of specific SIC's which were consolidated in seperate statewide totals. See source.

TABLE 13.16

GENERAL PROPERTY AND SPECIAL TAXES LEVIED IN NORTH DAKOTA AND ITS POLITICAL SUBDIVISIONS, SELECTED YEARS, 1960-1977

Year	Total State Taxes	Total Garrison Diversion Conservancy Dist.	Total County Taxes	Total Township Taxes	Total Water* Management District Taxes	Total Rural Fire Protection District Taxes
1960	$ 2,484,700	$ 40,779	$16,501,152	$5,287,014	$----------	$----------
1965	2,096,179	41,785	17,978,694	5,225,325	465,380	182,919
1970	622,218	366,580	19,370,254	5,165,260	652,364	284,530
1971	637,425	374,337	20,833,313	5,311,363	730,400	320,655
1972	646,175	381,202	21,518,679	5,391,391	805,430	355,980
1973	674,852	238,158	22,700,986	5,476,998	903,923	462,825
1974	689,344	244,350	24,612,736	5,521,602	1,079,355	613,368
1975	734,342	261,178	28,903,815	5,873,172	1,391,989	762,757
1976	759,159	270,241	30,919,404	6,270,578	1,412,443	972,530
1977	799,496	289,596	33,509,434	6,671,475	1,440,916	1,161,151

Year	Total School Taxes	Total City and Village Taxes	Total City and Village Park District Taxes	Total County Park District & Vector Control District Taxes	Grand Total State & Local Taxes	Total Assess. Hail Indemnity & Sheep Taxes
1960	$41,020,863	$ 9,288,946	$ 1,418,365	$---------	$ 76,041,818	$ 6,795,614
1965	54,165,871	10,786,157	1,899,446	90,067	92,931,821	8,511,085
1970	64,548,985	13,219,568	2,130,425	122,617	106,482,801	9,563,223
1971	66,298,020	13,520,620	2,096,592	137,721	110,260,447	9,177,270
1972	69,079,391	13,806,229	2,333,696	147,075	114,465,248	9,942,198
1973	64,374,944	14,289,421	2,572,031	152,349	111,854,206**	10,832,552
1974	68,290,656	15,432,045	2,954,104	182,246	119,619,805	12,086,777
1975	77,109,051	16,572,214	3,213,010	234,358	135,055,887	14,600,988
1976	83,749,867	18,328,927	3,722,844	249,814	146,655,808	17,183,788
1977	91,910,405	19,699,035	4,111,257	301,525	159,894,291	19,561,997

SOURCE: North Dakota Tax Department, 1977 Property Taxes Levied and 1978 Property Valuation.

* Formerly Water Conservation and Flood Control.

** $7,719.69 - County Equalization levied in 1973-should have been levied in 1972.

TABLE 13.17

TAXES LEVIED UPON THE VARIOUS CLASSES OF PROPERTY IN NORTH DAKOTA, 1970-1977

	1970	1971	1972	1973
Rural Real Estate	$ 48,083,293	$ 50,029,751	$ 51,304,133	$ 50,541,452
Rural Personal Property	1,512	1,870	4,015	2,331
City and Village Real Estate	44,549,638	45,867,465	48,280,183	46,711,774
City and Village Personal Property	32,765	34,637	40,976	4[illegible]270
Railroad Property	3,380,243	3,254,685	3,208,093	2,88[illegible]969
Telephone Property	3,614,020	3,742,765	3,895,151	3,716,362
Telegraph Property	9,829	11,252	16,211	25,929
Electric, Gas and Heating Property	4,288,695	4,376,358	4,437,502	4,293,692
Pipe Line Property	652,230	652,856	661,362	548,672
Total General Property Taxes	104,612,224	107,971,640	111,847,627	108,763,452
School Polls	82	20	7	-----------
Special Taxes*	1,870,495	2,288,787	2,617,614	3,090,755
Special Assessments--Cities & Villages	9,057,660	8,712,881	9,443,289	10,443,325
Special Assessments--Rural Districts**	505,562	464,389	498,909	389,227
Total Taxes and Special Assessments	116,046,024	119,437,717	124,407,445	122,686,759

TABLE 13.17--*Continued*

	1974	1975	1976	1977
Rural Real Estate	$ 53,231,875	$ 61,504,860	$ 65,515,268	$ 72,619,170
Rural Personal Property	2,834	2,526	2,181	1,962
City and Village Real Estate	50,818,157	56,694,210	63,547,225	68,396,260
City and Village Personal Property	41,858	47,014	46,790	44,116
Railroad Property	2,901,557	2,856,676	2,876,226	2,950,592
Telephone Property	4,028,648	4,569,756	4,828,942	5,159,479
Telegraph Property	29,303	8,402	13,171	13,079
Electric, Gas and Heating Property	4,457,231	4,716,217	4,726,413	4,886,441
Pipe Line Property	544,924	536,769	493,765	486,135
Total General Property Taxes	116,056,387	130,936,429	142,049,980	154,557,235
School Polls	-----------	-----------	-----------	-----------
Special Taxes*	3,563,418	4,119,457	4,605,829	5,337,056
Special Assessments--Cities & Villages	11,399,852	13,538,595	15,959,348	18,445,802
Special Assessments--Rural Districts**	686,925	1,062,393	1,224,440	1,116,195
Total Taxes and Special Assessments	131,706,582	149,656,874	163,839,596	179,456,287

SOURCE: North Dakota Tax Dept., 1977 Property Taxes Levied and 1978 Property Valuation.

* Grain, Mutual Telephone, Bank Building and Loan (including Savings and Loan Associations), Mobile Homes, beginning with the year 1962, Rural Electric Cooperative, Mineral Reservation Taxes, Woodland and Game Management Taxes.

** Irrigation, Water Management, Weeds, Drains, Garbage and Snow Removal.

TABLE 13.18

ASSESSED VALUATION OF REAL, PERSONAL, PUBLIC UTILITY AND RAILROAD PROPERTY IN NORTH DAKOTA, SELECTED YEARS, 1960-1978

Year	Farm Lands			Industrial, Business & Residential Lots Tracts & Leased Lots	Business Buildings	Residence & Non-Business Buildings
	Acres Assessed	Average Per Acre	Value Farm Lands			
1960	$ 40,528,149	$13.99	$ 567,148,949	$ 52,863,035	$ 84,580,544	$ 161,322,329
1965	40,495,650	14.05	568,817,002	64,664,481	102,168,389	192,921,464
1970	40,424,356	15.67	633,387,884	-----------	166,548,093*	285,111,671*
1971	40,391,288	16.08	649,624,681	85,114,193	140,770,123	237,515,150
1972	40,352,238	16.06	648,000,456	85,735,649	149,737,800	245,572,954
1973	40,298,504	16.96	680,712,293	89,020,983	155,770,291	254,627,679
1974	40,309,119	16.90	681,063,162	91,388,870	168,621,116	265,541,466
1975	40,288,687	18.39	741,025,981	95,554,714	174,833,960	285,292,340
1976	40,290,008	18.40	741,131,352	101,986,950	190,867,671	310,682,207
1977	40,253,381	19.75	813,709,444	103,346,830	192,396,751	317,876,629
1978	40,222,274	20.18	811,642,256	114,324,415	206,261,085	347,896,297

Year	Total Value of Real Estate	Homestead Credit Allowance	Total Value of Real Estate After Homestead Credit	Personal Property	Railroads and Public Utilities	Total Assessed Value All Property
1960	$ 865,914,857	$----------	$-------------	$288,066,580	$193,743,311	$1,347,724,748
1965	928,571,336	----------	-------------	271,661,138	174,301,245	1,374,533,719
1970	1,085,047,648	3,177,301**	[illegible] 31,870,347	352,740	142,205,494	1,224,428,581
1971	1,113,024,147	3,576,651	1,109,447,496	350,376	140,843,743	1,250,611,615
1972	1,129,046,859	3,550,818	1,125,496,041	377,319	139,547,792	1,265,421,152
1973	1,180,131,245	3,246,493	1,176,884,752	399,958	139,409,305	1,316,694,015
1974	1,206,614,614	4,296,571	1,202,318,043	326,707	138,836,309	1,341,481,059
1975	1,296,706,995	5,897,618	1,290,809,377	408,594	136,987,481	1,428,205,452
1976	1,344,668,180	6,078,059	1,338,590,121	403,077	133,051,451	1,472,044,649
1977	1,427,329,654	11,140,880	1,416,188,774	360,676	133,167,622	1,549,717,072
1978	1,480,124,053	12,694,883	1,467,429,170	368,710	139,022,494	1,606,820,374

SOURCE: North Dakota Tax Dept., 1977 Property Taxes Levied and 1978 Property Valuation.

* Includes assessed value of non-farm and of leased sites for 1970.

** Effective for the first time in 1970 pursuant to Section 57-02-08.1, NDCC, (added by Chapter 470, S.L. 1969).

TABLE 13.21

TAXABLE VALUATION OF PROPERTY SUBJECT TO THE GENERAL PROPERTY TAX BY NORTH DAKOTA COUNTY, 1970-1977

(50% of Assessed Valuation)

County	1970	1971	1972	1973
NORTH DAKOTA	$612,318,895	$625,470,407	$633,049,594	$658,443,394
Adams	5,231,390	5,909,139	5,932,831	6,420,916
Barnes	16,146,505	16,419,866	16,417,828	17,274,297
Benson	8,151,717	8,211,634	8,211,855	8,576,331
Billings	2,410,090	2,552,569	2,549,436	2,550,348
Bottineau	12,146,867	12,198,139	12,257,969	12,769,254
Bowman	4,896,981	5,145,437	5,156,875	5,726,246
Burke	5,872,301	5,732,495	5,746,138	6,316,196
Burleigh	34,240,300	36,660,805	38,346,358	41,050,563
Cass	67,235,309	68,128,765	70,137,497	73,014,274
Cavalier	11,351,020	11,523,352	11,633,917	12,059,436
Dickey	7,952,329	7,968,921	8,008,169	8,357,913
Divide	5,729,265	6,015,468	6,041,612	6,513,152
Dunn	6,418,464	6,436,794	6,434,836	6,633,646
Eddy	4,431,072	4,559,565	4,588,425	4,806,644
Emmons	6,907,905	6,917,838	6,938,746	7,251,744
Foster	6,037,111	6,324,494	6,373,286	6,413,840
Golden Valley	4,266,691	4,417,841	4,382,612	4,467,206
Grand Forks	43,615,491	43,334,632	44,277,637	47,726,932
Grant	6,075,768	6,226,085	6,226,307	6,793,926
Griggs	5,796,274	5,821,466	5,828,279	5,904,238
Hettinger	7,179,257	7,169,651	7,166,837	7,222,734
Kidder	4,956,757	5,559,064	5,537,257	6,030,808
La Moure	8,016,814	8,064,157	8,050,304	8,372,994
Logan	4,566,126	4,574,037	4,612,013	4,651,132
McHenry	9,806,033	9,757,929	9,800,681	10,467,011
McIntosh	6,246,121	6,242,861	6,237,313	6,265,023
McKenzie	7,109,946	7,097,139	7,077,692	8,290,358
McLean	10,755,227	11,193,862	11,183,625	12,528,747
Mercer	5,862,307	5,855,693	5,870,062	6,314,271
Morton	20,568,752	21,089,806	21,209,412	21,102,381
Mountrail	8,163,250	8,050,163	8,025,570	9,132,101
Nelson	7,999,325	7,941,522	8,013,121	8,477,951
Oliver	2,984,958	3,109,774	3,125,048	3,413,992
Pembina	16,547,895	16,610,196	16,743,852	17,280,264
Pierce	7,532,025	7,800,668	7,809,692	7,863,673

TABLE 13.21--*Continued*

County	1970	1971	1972	1973
Ramsey	$ 13,502,232	$ 13,550,485	$ 13,808,406	$ 14,923,541
Ransom	6,986,170	6,999,031	7,031,558	6,902,504
Renville	5,335,060	6,028,672	6,033,188	6,358,593
Richland	19,929,720	20,337,213	20,383,907	20,441,081
Rolette	5,317,385	5,595,677	5,622,435	6,283,194
Sargent	6,300,279	6,291,000	6,305,933	6,343,365
Sheridan	4,037,048	4,121,772	4,130,840	4,309,456
Sioux	1,838,591	1,963,015	1,954,112	1,887,399
Slope	3,283,355	3,265,503	3,527,609	3,593,837
Stark	15,520,066	15,672,229	16,058,930	16,258,093
Steele	6,587,674	6,560,478	6,564,274	6,619,281
Stutsman	22,397,818	23,000,422	23,543,885	24,098,866
Towner	7,043,567	7,028,759	7,027,842	7,035,527
Traill	13,082,368	13,254,707	13,286,577	13,561,265
Walsh	18,125,968	18,645,758	18,802,971	19,080,895
Ward	38,493,708	41,217,023	41,818,865	41,660,980
Wells	9,941,288	10,006,702	10,047,371	10,102,521
Williams	21,388,955	21,310,134	21,417,799	21,292,454

County	1974	1975	1976	1977
NORTH DAKOTA	$671,314,103	$714,589,396	$733,149,189	$775,543,342
Adams	6,496,540	6,839,518	6,887,237	7,564,417
Barnes	17,329,625	18,878,892	19,470,012	21,961,360
Benson	8,746,288	9,445,775	9,427,891	9,779,485
Billings	2,555,599	2,474,582	2,466,561	2,470,710
Bottineau	12,799,234	12,892,358	10,217,252	13,206,249
Bowman	5,793,989	5,971,504	6,059,111	6,463,939
Burke	6,306,598	6,687,454	6,663,089	6,403,987
Burleigh	42,880,089	44,995,804	48,416,305	50,053,655
Cass	77,100,085	84,996,554	87,879,960	96,830,442
Cavalier	12,134,917	13,202,187	13,307,949	14,363,493
Dickey	8,362,867	9,920,372	10,006,411	11,071,009
Divide	6,507,687	7,576,293	7,624,231	7,277,417
Dunn	6,660,532	6,652,923	6,640,678	6,661,720
Eddy	4,462,835	4,612,877	4,672,443	4,944,716
Emmons	7,269,673	8,674,185	8,687,436	8,608,477
Foster	6,429,208	6,935,702	6,996,520	7,439,642
Golden Valley	4,472,791	4,812,624	4,821,117	5,340,806
Grand Forks	50,050,005	52,299,870	54,141,620	56,083,508
Grant	6,758,926	6,772,015	6,739,358	6,762,958
Griggs	5,884,310	6,293,521	6,310,570	6,785,455

TABLE 13.21--*Continued*

County	1974	1975	1976	1977
Hettinger	$ 7,244,457	$ 7,405,343	$ 7,459,299	$ 7,767,924
Kidder	6,041,684	6,510,746	6,513,615	6,518,220
La Moure	8,383,007	10,393,708	10,487,622	11,661,216
Logan	4,679,971	5,587,892	5,596,333	5,513,832
McHenry	10,436,338	10,360,292	10,390,909	10,587,947
McIntosh	6,286,292	6,236,985	6,243,672	6,091,475
McKenzie	8,507,415	8,490,072	8,518,036	9,216,104
McLean	12,545,991	12,716,453	12,822,533	15,287,814
Mercer	6,310,830	6,438,001	6,628,090	7,868,155
Morton	21,504,883	22,580,949	23,768,399	24,675,132
Mountrail	9,078,867	9,044,869	9,051,188	9,023,492
Nelson	8,451,124	8,738,242	8,854,019	8,768,044
Oliver	3,414,134	3,398,193	3,431,408	3,656,426
Pembina	17,329,009	18,005,000	18,032,794	18,298,278
Pierce	7,968,636	7,926,904	8,038,836	8,197,530
Ramsey	15,009,528	15,677,208	15,705,044	17,103,470
Ransom	6,964,308	7,738,074	7,817,150	9,297,877
Renville	6,377,564	6,386,619	6,440,141	6,350,421
Richland	20,943,809	22,196,258	22,530,578	23,731,979
Rolette	6,375,594	6,408,854	6,478,833	6,791,650
Sargent	6,420,691	7,657,037	7,682,259	8,173,013
Sheridan	4,330,802	4,315,788	4,326,492	4,667,885
Sioux	1,884,950	2,433,194	2,417,339	2,426,096
Slope	3,587,365	3,577,149	3,566,657	3,570,008
Stark	16,552,794	18,034,706	19,116,563	21,355,730
Steele	6,608,990	7,279,048	7,300,389	8,202,383
Stutsman	24,388,322	27,115,483	28,077,174	30,384,281
Towner	7,032,982	7,385,188	7,427,903	7,914,703
Traill	14,487,753	14,446,691	15,697,400	16,491,847
Walsh	19,368,927	21,268,563	21,423,598	21,221,472
Ward	42,340,368	43,567,003	48,762,927	48,836,925
Wells	10,149,390	10,834,153	10,942,781	12,502,958
Williams	21,305,130	23,499,731	24,163,957	23,315,700

SOURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, various years.

TABLE 13.23

SALES-TO-ASSESSMENT RATIOS BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1964-1978

County	1964	1966	1968	1970	1972	1974	1976	1978
NORTH DAKOTA	27.8	25.0	23.4	21.1	19.1	17.4	12.3	7.9
Adams	20.8	18.7	19.6	16.9	16.8	19.2	17.4	8.7
Barnes	30.0	27.1	22.8	21.4	18.6	16.8	10.6	8.2
Benson	36.6	31.5	24.9	20.4	19.0	15.2	12.1	7.6
Billings	24.6	29.2	19.6	18.5	14.5	15.6	13.7	7.5
Bottineau	28.5	22.5	21.9	19.6	17.8	18.3	11.3	6.8
Bowman	21.5	19.2	20.3	17.9	16.5	16.6	11.0	7.3
Burke	32.7	32.4	24.7	20.7	16.5	17.7	12.4	9.5
Burleigh	24.5	23.6	23.6	21.6	21.1	19.9	14.8	9.2
Cass	24.1	24.7	22.8	21.0	18.6	16.4	13.8	8.3
Cavalier	34.2	28.6	23.7	21.4	19.0	15.9	10.9	8.7
Dickey	36.4	35.2	27.5	21.6	18.3	17.0	10.4	7.6
Divide	29.2	26.2	23.8	20.5	17.6	17.9	16.5	8.3
Dunn	23.7	21.9	21.7	20.1	17.5	15.7	11.7	8.2
Eddy	38.0	36.4	29.2	25.8	19.4	16.8	14.1	8.3
Emmons	29.1	26.5	24.8	22.8	18.1	16.4	14.6	7.1
Foster	34.6	28.8	25.8	22.2	19.6	17.4	13.2	7.6
Golden Valley	22.1	23.2	20.8	20.7	20.5	19.0	11.8	8.8
Grand Forks	25.7	25.0	24.3	23.3	21.8	18.4	13.3	7.9
Grant	21.8	19.7	20.5	17.9	17.3	17.6	15.6	7.7
Griggs	34.1	29.2	22.9	21.1	20.4	15.3	10.8	8.1
Hettinger	19.5	17.3	20.1	18.3	18.7	17.1	9.9	7.4
Kidder	42.0	40.8	26.5	20.9	18.2	17.9	13.2	8.1
La Moure	33.5	30.3	25.4	20.8	17.9	16.3	10.5	7.4
Logan	30.6	28.5	25.5	24.0	18.9	16.7	14.1	8.3
McHenry	30.9	27.4	23.9	20.1	17.4	16.0	11.3	7.0
McIntosh	27.4	26.4	23.7	22.0	18.9	18.3	13.2	7.7
McKenzie	17.3	18.8	21.5	19.6	15.4	16.3	9.8	7.2
McLean	25.1	23.4	21.3	18.1	16.0	18.1	10.2	7.5
Mercer	24.3	20.5	22.1	20.1	17.5	16.3	8.9	7.4
Morton	26.0	22.5	24.0	23.9	22.9	19.2	13.7	7.2
Mountrail	25.9	26.0	23.3	20.6	15.8	16.3	13.2	7.7
Nelson	32.4	28.6	24.8	23.0	18.4	17.8	12.1	7.4
Oliver	26.2	22.9	20.5	18.6	16.3	18.9	9.9	7.6
Pembina	21.3	22.2	22.6	22.2	21.1	18.6	12.5	7.7
Pierce	32.8	27.6	25.3	22.4	19.3	20.4	11.0	7.9

TABLE 13.23--*Continued*

County	1964	1966	1968	1970	1972	1974	1976	1978
Ramsey	31.8	29.9	25.7	23.5	18.9	19.0	11.2	8.2
Ransom	29.8	28.7	24.1	21.9	19.4	17.3	8.5	7.9
Renville	26.2	22.9	21.4	19.1	17.7	17.1	12.8	7.4
Richland	23.7	20.4	21.3	19.5	18.1	17.2	11.1	7.2
Rolette	29.7	29.8	23.3	18.5	17.1	17.3	12.3	8.5
Sargent	36.3	32.3	26.5	21.3	18.1	16.2	12.1	7.3
Sheridan	30.0	27.7	23.3	20.2	17.5	16.2	9.1	6.9
Sioux	24.3	22.7	22.4	20.1	20.5	12.2	12.3	7.3
Slope	18.7	16.6	20.2	18.6	16.3	15.7	14.4	7.9
Stark	21.0	21.1	22.3	20.3	21.4	17.5	14.4	9.1
Steele	27.8	24.0	22.6	20.8	19.5	10.8	10.3	7.9
Stutsman	29.0	26.6	24.7	22.4	20.3	19.7	12.1	7.8
Towner	33.6	29.8	24.8	23.7	18.9	15.3	10.4	6.5
Traill	21.8	20.4	21.2	19.1	18.7	16.9	11.1	5.9
Walsh	22.4	20.9	20.2	18.3	19.7	19.6	11.9	8.4
Ward	25.3	20.8	22.2	20.2	20.9	19.5	13.2	9.1
Wells	28.5	27.2	22.7	20.1	19.3	16.0	9.1	8.7
Williams	25.3	23.8	22.7	20.8	21.0	18.5	15.5	9.4

SOURCE: North Dakota Tax Dept., Sales Ratio Study, various years.

TABLE 13.22

TAXABLE VALUATION OF PROPERTY (BY TYPE OF PROPERTY) AND TOTAL STATE AND LOCAL PROPERTY TAXES LEVIED BY NORTH DAKOTA COUNTY, 1977*

County	Wood-land Acres	Total Acres	Farmland	Other Real Estate	Total Real Estate	Personal Property	Railroad & Public Utility Property	Total Taxable Valuation	Total State & Local Prop. & Special Taxes
Adams	-----	607,695	$ 5,271,931	$ 1,772,596	$ 7,044,327	$------	$ 519,890	$ 7,564,417	$ 1,256,477
Barnes	-----	926,393	14,431,171	5,691,199	20,122,370	5,036	1,833,954	21,961,360	4,147,513
Benson	-----	794,215	7,551,955	1,170,460	8,722,415	------	1,057,070	9,779,485	1,900,180
Billings	-----	363,842	1,842,107	205,330	2,047,437	------	423,273	2,470,710	284,760
Bottineau	-----	1,025,042	9,037,000	3,244,920	12,281,920	------	924,329	13,206,249	2,814,107
Bowman	-----	671,040	4,148,784	1,885,172	6,033,956	------	429,983	6,463,939	1,056,500
Burke	-----	665,228	5,015,802	906,370	5,922,172	------	481,815	6,403,987	1,096,122
Burleigh	-----	958,537	7,868,920	37,858,564	45,727,484	24,902	4,301,269	50,053,655	12,489,835
Cass	-----	1,076,557	24,214,264	62,656,805	86,871,069	35,663	9,923,710	96,830,442	23,876,333
Cavalier	5,785	933,833	10,736,092	2,996,322	13,732,414	------	631,079	14,363,493	2,724,804
Dickey	-----	706,624	8,005,530	2,223,555	10,229,085	------	841,924	11,071,009	1,912,286
Divide	-----	784,354	5,894,571	1,129,319	7,023,890	800	252,727	7,277,417	1,476,893
Dunn	-----	1,005,916	5,662,662	563,201	6,225,863	------	435,857	6,661,720	1,061,310
Eddy	-----	383,477	3,312,589	1,151,209	4,463,798	1,450	479,468	4,944,716	882,387
Emmons	-----	930,236	7,008,853	1,227,277	8,236,130	------	372,347	8,608,477	1,420,755
Foster	-----	400,322	4,930,032	1,889,995	6,820,027	------	619,615	7,439,642	1,309,895
Golden Valley	-----	509,752	3,844,144	902,442	4,746,586	------	594,220	5,340,806	781,222
Grand Forks	1,522	869,513	15,271,173	35,624,791	50,895,964	14,200	5,173,344	56,083,508	14,533,762
Grant	-----	1,010,640	5,588,508	683,203	6,271,711	------	491,247	6,762,958	1,107,498
Griggs	-----	444,403	5,364,288	1,052,467	6,416,755	------	368,700	6,785,455	1,288,502
Hettinger	-----	706,439	5,986,471	1,271,686	7,258,157	------	509,767	7,767,924	1,318,960
Kidder	-----	828,854	5,143,477	764,956	5,908,433	------	609,787	6,518,220	1,085,840
La Moure	-----	720,064	9,493,739	1,515,688	11,009,427	------	651,699	11,661,126	1,876,703
Logan	-----	614,897	4,408,348	765,912	5,174,260	------	339,572	5,513,832	956,638
McHenry	-----	1,128,866	7,582,848	1,621,103	9,203,951	------	1,338,996	10,587,947	2,092,098
McIntosh	-----	600,945	4,184,930	1,442,538	5,627,468	------	464,007	6,091,475	1,085,835
McKenzie	-----	1,062,801	7,154,680	1,349,463	8,504,143	500	711,461	9,216,104	1,467,478
McLean	-----	1,158,422	11,640,216	2,842,399	14,482,615	------	805,199	15,287,814	2,703,351

TABLE 13.22--Continued

County	Wood-land Acres	Total Acres	Farmland	Other Real Estate	Total Real Estate	Personal Property	Railroad & Public Utility Property	Total Taxable Valuation	Total State & Local Prop. & Special Taxes
Mercer	-----	603,830	$ 4,655,880	$ 2,470,303	$ 7,126,183	$------	$ 741,972	$ 7,868,155	$ 1,491,680
Morton	-----	1,176,093	11,285,272	9,314,986	20,600,258	9,900	4,064,974	24,675,132	4,865,191
Mountrail	-----	1,088,395	6,294,526	1,715,786	8,010,312	3,141	1,010,039	9,023,492	1,758,613
Nelson	-----	615,654	6,287,547	1,718,508	8,006,055	------	761,989	8,768,044	1,738,342
Oliver	------	441,138	3,096,784	334,959	3,431,743	------	224,683	3,656,426	635,696
Pembina	12,153	687,678	11,112,415	6,119,213	17,231,628	------	1,066,650	18,298,278	3,314,384
Pierce	-----	641,620	5,142,674	2,164,053	7,306,727	------	890,803	8,197,530	1,560,716
Ramsey	-----	735,082	9,186,009	6,239,266	15,425,365	13,583	1,664,522	17,103,470	3,707,172
Ransom	-----	497,088	7,071,308	1,739,055	8,810,363	------	487,514	9,297,877	1,857,523
Renville	-----	535,956	5,300,894	824,920	6,125,814	1,209	223,398	6,350,421	1,075,976
Richland	-----	868,457	15,656,134	6,076,340	21,732,474	2,555	1,996,950	23,731,979	4,871,342
Rolette	-----	487,046	4,431,696	1,799,135	6,230,831	------	560,819	6,791,650	1,295,298
Sargent	-----	524,867	6,047,572	1,362,481	7,410,053	------	762,960	8,173,013	1,458,825
Sheridan	-----	573,184	3,934,415	434,371	4,368,786	------	299,099	4,667,885	874,999
Sioux	-----	366,016	2,217,234	172,681	2,389,915	------	36,181	2,426,096	363,970
Slope	-----	611,339	3,448,650	48,052	3,496,702	------	73,306	3,570,008	506,696
Stark	-----	830,240	8,186,199	10,976,467	19,162,666	18,565	2,174,499	21,355,730	4,251,415
Steele	-----	450,389	6,937,823	811,533	7,749,356	------	453,027	8,202,383	1,400,469
Stutsman	-----	1,366,005	15,068,060	12,466,904	27,534,964	15,592	2,833,725	30,384,281	5,754,215
Towner	-----	648,451	6,510,519	1,070,248	7,580,767	------	333,936	7,914,703	1,493,300
Traill	-----	537,656	11,241,571	4,257,649	15,499,220	1,700	990,927	16,491,847	3,112,258
Walsh	1,330	805,845	14,047,656	5,889,609	19,937,265	------	1,284,207	21,221,472	4,521,723
Ward	-----	1,238,746	12,716,159	31,672,922	44,388,181	27,651	4,421,093	48,836,925	11,191,159
Wells	-----	795,252	9,561,464	2,029,146	11,590,610	------	912,348	12,502,958	2,192,733
Williams	-----	1,242,179	10,132,231	10,496,051	20,628,282	3,892	2,683,526	23,315,700	4,592,554
NORTH DAKOTA	20,789	40,257,113	410,165,867	298,612,680	708,778,547	180,339	66,584,456	775,543,342	159,894,291

SOURCE: North Dakota Tax Dept., 1977 Property Taxes Levied and 1978 Property Valuation.

* Taxable valuation is 50% of assessed valuation.

TABLE 13.24

NORTH DAKOTA COUNTY MILL RATES, SELECTED YEARS, 1965-1977

County	1965	1970	1971	1972	1973	1974	1975	1976	1977
Adams	27.75	33.75	40.31	40.50	45.95	44.80	48.00	48.35	47.70
Barnes	26.43	39.03	37.95	38.95	38.64	37.49	46.19	50.00	46.37
Benson	26.36	36.06	39.51	39.74	36.25	52.01	51.49	62.33	59.74
Billings	22.20	22.27	20.24	22.29	23.30	26.71	31.30	32.65	32.40
Bottineau	29.93	34.69	35.21	38.27	34.37	39.86	42.73	59.91	60.41
Bowman	33.57	32.89	36.38	32.14	38.54	39.30	37.10	19.75	20.75
Burke	29.01	35.59	35.25	37.68	35.88	37.62	38.17	41.35	43.20
Burleigh	20.34	18.99	22.17	22.61	21.38	23.85	25.51	28.94	31.38
Cass	22.12	21.86	23.55	24.95	24.61	24.76	26.51	28.14	29.20
Cavalier	24.90	40.34	39.88	40.53	47.53	45.05	47.56	47.15	49.97
Dickey	24.84	31.58	35.00	34.52	37.25	38.05	40.96	42.75	43.69
Divide	28.59	36.91	37.91	38.50	38.45	42.26	46.97	47.42	49.30
Dunn	22.40	24.18	25.32	26.07	26.76	26.81	33.13	32.69	33.78
Eddy	24.14	44.39	41.28	45.17	45.30	49.69	50.57	47.73	45.16
Emmons	26.50	31.68	31.92	30.01	29.51	36.63	40.65	39.72	39.95
Foster	24.17	30.50	30.95	30.94	31.68	33.50	36.20	42.29	43.38
Golden Valley	19.85	22.62	27.00	27.00	28.42	31.39	34.73	35.57	35.69
Grand Forks	23.21	25.73	26.23	26.02	27.26	27.52	31.73	32.10	32.10
Grant	26.00	28.75	28.75	29.00	28.00	27.81	28.90	29.81	32.44
Griggs	26.56	29.96	30.84	31.56	34.91	40.39	47.73	48.72	46.03
Hettinger	27.75	31.64	35.41	33.39	35.22	34.95	38.08	40.13	38.75
Kidder	26.12	30.23	36.28	36.52	36.32	41.09	43.92	44.75	43.60
La Moure	24.00	36.09	38.00	38.50	37.25	39.73	39.64	43.03	41.11
Logan	26.53	30.46	32.40	32.37	31.55	32.62	37.48	38.19	36.76
McHenry	20.64	31.69	34.96	36.10	33.65	36.76	41.24	39.77	41.79
McIntosh	28.44	32.29	33.17	36.28	33.30	33.25	35.99	37.07	40.43
McKenzie	22.73	26.46	26.07	27.71	21.11	28.40	40.22	41.25	41.54
McLean	32.74	36.86	36.78	38.41	37.42	41.70	44.87	44.93	44.47

TABLE 13.25

MILL LEVIES IN NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, 1970 AND 1975-1978

Municipality	1970	1975	1976	1977	1978
Fargo - Total Mill Levy	252.83	269.60	282.06	289.43	294.19
State & County Levy	44.78	28.11	29.74	30.80	30.30
City Levy	61.15	56.44	60.49	62.39	61.10
Park District Levy	10.91	14.58	14.53	18.93	19.44
School District Levy	135.99	170.47	177.30	177.31	182.54
Grand Forks - Total Mill Levy	248.18	261.59	271.18	306.68	303.06
State & County Levy	49.54	35.64	36.36	36.35	36.68
City Levy	61.14	64.82	68.35	74.18	72.05
Park District Levy	12.65	15.91	17.13	17.29	18.33
School District Levy	124.85	145.58	149.34	178.86	175.40
Bismarck - Total Mill Levy	214.37	241.13	246.22	269.85	270.29
State & County Levy	40.51	29.16	30.12	32.96	32.50
City Levy	61.28	63.18	64.03	68.91	70.88
Park District Levy	9.41	14.27	14.55	15.21	15.02
School District #1 Levy	103.17	134.52	137.47	152.77	151.79
Minot - Total Mill Levy	240.90	238.59	231.72	250.97	245.00
State & County Levy	53.09	41.31	38.36	45.44	42.31
City Levy	68.24	78.90	77.78	83.93	83.53
Park District Levy	8.09	12.43	12.70	11.88	13.47
School District Levy	110.67	105.95	102.88	109.72	105.69
Jamestown - Total Mill Levy	226.84	233.08	227.33	224.93	223.52
State & County Levy	48.62	41.30	40.59	37.29	37.05
City Levy	67.78	66.87	66.38	70.70	66.95
Park District Levy	14.48	16.14	18.20	15.34	17.11
School District Levy	95.96	98.77	102.16	101.60	102.41
Dickinson - Total Mill Levy	210.46	234.00	231.81	238.69	238.31
State & County Levy	47.02	33.31	34.07	35.99	35.29
City Levy	52.47	61.31	62.79	64.16	61.51
Park District Levy	7.43	7.87	8.08	8.79	8.30
School District Levy	103.54	131.51	126.87	129.75	133.21
Williston - Total Mill Levy	214.49	233.82	213.88	230.97	235.96
State & County Levy	48.23	47.61	49.81	49.57	48.84
City Levy	54.04	59.98	51.03	53.18	58.19
Park District Levy	11.06	10.92	10.85	11.00	11.25
School District Levy	101.16	105.31	102.19	117.22	116.68
Mandan - Total Mill Levy	176.68	214.80	215.55	238.34	252.47
State & County Levy	49.30	46.07	45.40	49.81	45.38
City Levy	59.14	65.35	65.42	77.16	72.39
Park District Levy	14.00	16.08	16.58	17.35	16.40
School District Levy	54.24	87.31	88.15	94.52	118.30

TABLE 13.25--*Continued*

Municipality	1970	1975	1976	1977	1978
Valley City - Total Mill Levy	245.17	252.56	253.76	251.33	252.69
State & County Levy	63.49	49.29	53.25	48.67	48.98
City Levy	59.91	60.13	56.07	58.92	63.59
Park District Levy	6.71	8.00	7.51	8.28	8.21
School District Levy	115.06	135.14	138.92	135.46	131.91
Devils Lake - Total Mill Levy	222.33	244.36	277.49	278.07	297.92
State & County Levy	59.84	50.34	55.47	57.77	54.48
City Levy	62.02	59.65	64.81	82.31	99.01
Park District Levy	12.19	13.50	13.50	------	------
School District Levy	88.28	120.87	143.71	137.99	144.43
Wahpeton - Total Mill Levy	200.53	238.53	243.71	266.40	258.48
State & County Levy	65.50	48.76	49.80	51.78	50.30
City Levy	49.99	65.33	63.80	80.22	69.83
Park District Levy	11.08	15.06	14.80	16.47	16.11
School District Levy	73.96	109.38	115.31	117.93	122.24
Grafton - Total Mill Levy	232.88	253.62	262.68	289.04	310.71
State & County Levy	58.18	38.15	40.92	44.04	47.92
City Levy	49.77	70.74	62.89	67.70	72.78
Park District Levy	8.82	10.00	10.00	10.00	18.09
School District Levy	116.11	134.73	153.87	167.30	171.92
West Fargo - Total Mill Levy	198.27	230.00	239.55	250.32	254.29*
State & County Levy	44.78	28.11	29.74	30.30	30.30
City Levy	44.16	57.28	60.11	60.22	59.71
Park District Levy	10.00	13.46	11.71	11.39	11.52
School District Levy	99.33	131.15	137.99	147.91	151.95
Rugby - Total Mill Levy	191.77	194.68	206.84	217.31	215.12
State & County Levy	59.87	50.05	50.39	51.59	53.70
City Levy	51.77	54.54	51.36	58.20	59.00
Park District Levy	5.50	4.00	9.32	5.77	5.32
School District Levy	74.63	86.09	95.86	101.75	97.10
Bottineau - Total Mill Levy	187.61	195.96	224.53	226.99	229.74*
State & County Levy	36.73	49.33	61.51	62.01	62.77
City Levy	61.28	35.55	46.25	46.10	41.72
Park District Levy	9.41	4.00	------	------	4.00
School District Levy	103.17	107.08	116.77	118.88	119.24

SOURCE: North Dakota League of Cities, Taxable Valuation and Tax Levies in North Dakota Cities.

* Total includes special mill levies for water, fire or library.

Note: School District Levy includes county school equalization levy.

TABLE 13.27

REVENUES AND EXPENDITURES BY LOCAL GOVERNMENTS IN NORTH DAKOTA, SELECTED FISCAL YEARS, 1965-1977

(Millions of Dollars)

	1965	1970	1975	1976	1977
General Revenue	$137.5	$205.4	$324.0	$377.5	$401.4
Intergovernmental Revenue*	32.1	59.3	142.0	161.5	168.6
From Federal Government	3.1	6.9	24.9	26.5	24.7
From State Government	29.0	52.4	117.0	135.0	143.9
General Revenue From Own Sources	105.4	146.1	182.0	216.0	232.9
Tax Revenue	79.8	110.5	125.9	141.4	148.8
Property Tax	77.3	106.7	120.3	134.8	143.5
Other Taxes	2.6	3.8	5.6	6.7	5.4
Charges and Miscellaneous	25.6	35.7	56.1	74.5	84.1
Utiltiy System and Liquor Store Revenue	----	----	12.6	13.9	15.9
Direct General Expenditures	141.4	202.8	320.8	369.3	388.8
Education	79.1	109.3	176.5	189.1	199.8
Highways	24.0	33.1	44.9	58.8	59.1
Public Welfare	2.3	3.3	6.3	7.1	8.4
Police and Fire Protection	5.5	8.3	15.1	17.7	20.3
Health and Hospitals	1.0	1.5	3.5	2.9	2.8
Interest on General Debt	3.8	5.9	8.4	11.5	13.7
All Other	25.8	41.5	66.2	82.1	84.7
Utility System and Liquor Store Expenditure	----	----	20.1	21.2	22.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

* Duplicative intragovernmental transactions are excluded.

TABLE 13.28

REVENUES AND EXPENDITURES OF NORTH DAKOTA COUNTIES, FISCAL YEARS, 1975-1977
(Millions of Dollars)

	1975	1976	1977
General Revenue	$79.7	$91.3	$98.7
Intergovernmental Revenue	33.7	37.3	39.3
From Federal Government	8.7	7.9	8.0
From State Government	21.1	25.4	27.3
General Revenue From Own Sources	46.0	54.1	59.4
Tax Revenue	41.3	47.1	47.8
Property Tax	38.8	43.9	46.1
Other Taxes	2.5	3.2	1.7
Charges and Miscellaneous	4.7	7.0	11.6
Direct General Expenditures	60.8	73.6	77.9
Education	1.9	2.3	2.7
Highways	26.6	29.2	31.6
Public Welfare	6.2	7.1	8.4
Police and Fire Protection	2.8	3.5	4.0
Health and Hospitals	2.4	1.7	1.4
Interest on General Debt	0.1	1.6	3.4
All Other	20.8	28.3	26.4

SOURCE: U.S. Department of Commerce, Bureau of the Census, Governmental Finances, 1974-75, 1975-76, 1976-77.

TABLE 13.29

REVENUES AND EXPENDITURES OF NORTH DAKOTA MUNICIPALITIES, FISCAL YEARS, 1975-1977
(Millions of Dollars)

	1975	1976	1977
General Revenue	$67.7	$83.5	$89.5
Intergovernmental Revenue	19.5	25.0	26.7
From Federal Government	7.5	10.7	11.1
From State Government	11.6	13.7	15.0
General Revenue from Own Sources	48.2	58.5	62.8
Tax Revenue	18.3	20.1	21.9
Property Tax	15.2	16.7	18.4
Other Taxes	3.0	3.4	3.5
Charges and Miscellaneous	30.0	38.5	40.9
Utility System Revenue	12.6	13.9	15.9
Direct General Expenditures	62.8	84.4	88.3
Highways	12.1	22.8	19.9
Public Welfare	*	*	0.1
Police and Fire Protection	12.0	14.0	15.1
Health and Hospitals	1.1	1.2	1.4
Interest on General Debt	5.0	5.7	6.4
All Other	32.5	40.7	45.4
Utility System Expenditure	20.1	21.2	22.8

SOURCE: U.S. Department of Commerce, Bureau of the Census, Governmental Finances, 1974-75, 1975-76, 1976-77.

* Less than $50,000

TABLE 13.30

REVENUES AND EXPENDITURES OF NORTH DAKOTA TOWNSHIPS, FISCAL YEARS, 1975-1977
(Millions of Dollars)

	1975	1976	1977
General Revenue	$9.4	$9.1	$9.1
Intergovernmental Revenue	3.1	2.9	3.0
From Federal Government	2.0	1.8	1.6
From State Government	1.0	1.0	1.2
General Revenue From Own Sources	6.3	6.3	6.1
Tax Revenue	5.8	5.6	5.6
Property Tax	5.8	5.6	5.6
Other Taxes	*	*	*
Charges and Miscellaneous	0.5	0.6	0.5
Direct General Expenditure	7.9	8.6	9.1
Highways	6.2	6.8	7.6
Public Welfare	*	*	*
Police and Fire Protection	0.1	0.1	0.2
Health and Hospitals	*	*	*
Interest on General Debt	*	*	*
All Other	1.6	1.7	1.4

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, 1974-75, 1975-76 and 1976-77.

* Less than $50,000.

Note: Detail may not add to total because of rounding.

TABLE 13.31

REVENUES AND EXPENDITURES OF NORTH DAKOTA SCHOOL DISTRICTS, FISCAL YEARS, 1975-1977
(Millions of Dollars)

	1975	1976	1977
General Revenue	$173.6	$201.7	$211.8
Intergovernmental Revenue	102.2	115.2	119.6
From Federal Government	3.2	3.4	2.4
From State Government	81.8	93.4	98.9
General Revenue From Own Sources	71.4	86.5	92.2
Tax Revenue	55.7	63.5	68.3
Property Tax	55.5	63.4	68.2
Other Taxes	0.2	0.1	0.1
Charges and Miscellaneous	15.7	23.0	23.9
Direct General Expenditure	177.3	190.3	200.4
Education	174.5	186.8	197.1
Interest on General Debt	2.8	3.5	3.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, 1974-75, 1975-76 and 1976-77.

TABLE 13.32

REVENUES AND EXPENDITURES OF NORTH DAKOTA SPECIAL DISTRICTS, FISCAL YEARS, 1975-1977
(Millions of Dollars)

	1975	1976	1977
General Revenue	$15.6	$15.7	$16.7
Intergovernmental Revenue	5.6	5.1	4.3
From Federal Government	3.5	2.7	1.5
From State Government	1.5	1.5	1.4
General Revenue From Own Sources	10.0	10.6	12.4
Tax Revenue - Property Tax	4.8	5.2	5.1
Charges and Miscellaneous	5.2	5.4	7.2
Direct General Expenditure	12.1	12.4	13.1
Police and Fire Protection	0.2	0.2	1.0
Interest on General Debt	0.6	0.7	0.6
All Other	11.3	11.5	11.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, 1974-75, 1975-76 and 1976-77.

TABLE 13.33

LONG-TERM DEBT OF NORTH DAKOTA STATE GOVERNMENT AND ALLOCATION OF LONG-TERM DEBT, SELECTED FISCAL YEARS, 1965-1977

(Thousands of Dollars)

Year	Total Long-Term Debt	Allocation of Debt by Function		
		Higher Educ.	Veterans Bonuses	Other
1965	$22,556	$19,159	$ 3,395	$ 2
1970	37,324	37,324	---	---
1975	63,308	46,053	17,255	---
1976	70,081	52,786	16,195	1,100
1977	67,326	51,469	15,085	772

SOURCE: U.S. Department of Commerce Bureau of the Census, State Government Finances, various years.

TABLE 13.34

LONG-TERM DEBT OF LOCAL GOVERNMENTS IN NORTH DAKOTA, SELECTED FISCAL YEARS, 1965-1977

(Millions of Dollars)

Year	Total Long-Term Debt	Allocation of Long-Term Debt				
		Counties	Munici-palities	Townships	Special Districts	School Districts
1965	$153.9	$-----	$-----	$---	$----	$----
1970	186.5	-----	-----	---	----	----
1975	211.6	0.8	133.1	1.0	15.3	63.4
1976	277.9	53.3	152.1	1.0	13.3	58.2
1977	348.8	107.5	173.0	0.9	11.5	55.9

SOURCE: U.S. Department of Commerce, Bureau of the Census, Governmental Finances, various years.

-- Breakdown not available.

TABLE 13.24--*Continued*

County	1965	1970	1971	1972	1973	1974	1975	1976	1977
Mercer	22.50	26.25	27.25	27.75	27.75	29.25	35.25	36.07	33.79
Morton	26.50	30.24	36.23	36.89	37.50	37.57	46.04	44.40	49.60
Mountrail	34.01	38.50	39.63	41.44	42.74	42.74	47.06	44.66	44.44
Nelson	19.87	35.63	36.33	36.14	37.73	40.35	44.00	48.67	47.40
Oliver	27.75	39.45	39.43	38.13	31.36	27.93	39.03	34.73	48.57
Pembina	21.70	24.85	26.60	26.60	29.60	32.85	33.56	50.10	47.20
Pierce	20.88	37.28	38.26	42.07	42.56	43.10	47.45	47.54	46.74
Ramsey	32.66	38.98	38.24	42.19	42.09	42.40	45.74	50.87	53.17
Ransom	21.98	31.46	31.70	35.65	33.34	42.81	50.51	50.27	52.00
Renville	27.07	34.25	35.47	35.68	36.55	36.24	37.84	40.92	42.49
Richland	23.58	40.19	40.16	39.99	39.59	43.11	46.20	46.70	45.18
Rolette	21.33	34.12	34.97	35.48	33.77	33.79	37.59	46.14	49.08
Sargent	23.75	28.45	36.50	36.50	36.50	38.50	42.34	44.50	41.60
Sheridan	26.06	29.30	29.48	30.38	38.53	29.00	40.82	40.93	42.63
Sioux	22.59	30.98	31.29	32.82	33.28	26.64	41.63	39.89	45.97
Slope	21.85	34.25	33.00	32.00	27.85	30.25	30.35	31.35	34.05
Stark	19.64	23.63	25.06	24.85	24.86	26.98	31.44	32.20	34.34
Steele	30.86	36.66	38.73	38.39	37.88	38.88	43.80	48.09	41.23
Stutsman	20.06	27.61	28.39	32.09	32.78	37.18	40.70	39.99	36.69
Towner	20.75	28.93	29.22	39.96	40.06	40.90	44.57	44.84	47.46
Traill	33.69	37.74	39.03	38.80	39.32	39.27	43.17	46.86	45.80
Walsh	30.02	30.95	31.04	29.89	31.57	34.62	35.15	37.92	41.04
Ward	25.26	30.58	31.96	30.27	27.05	33.69	38.79	35.99	45.84
Wells	14.50	26.25	26.50	26.50	28.50	33.22	36.10	36.36	33.47
Williams	21.54	27.93	29.73	29.73	39.75	40.25	45.49	47.81	48.42

SOURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, various years.

TABLE 13.26

TAXABLE VALUATION OF NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, 1970 AND 1975-1978

City	Taxable Valuation				
	1970	1975	1976	1977	1978
Fargo	$38,304,599	$47,104,708	$50,587,656	$51,872,984	$60,715,909
Grand Forks	25,809,514	33,272,649	34,961,309	34,520,536	37,302,949
Bismarck	27,073,266	34,200,179	37,388,745	37,234,084	43,134,392
Minot	22,205,983	24,111,033	28,970,409	27,428,094	28,343,247
Jamestown	8,964,154	11,271,617	12,162,414	12,083,480	13,201,750
Dickinson	6,893,559	8,169,965	9,172,135	9,619,046	10,555,200
Williston	8,176,749	8,474,385	9,111,855	7,768,986	8,252,620
Mandan	5,385,480	6,703,128	7,723,096	7,532,492	9,376,721
Valley City	4,009,046	4,378,572	4,982,076	4,656,565	4,902,358
Devils Lake	4,393,240	5,223,050	5,151,257	5,099,967	5,439,748
Wahpeton	3,057,615	3,973,473	4,391,750	4,287,334	4,663,769
West Fargo	2,928,943	4,746,471	5,207,677	5,766,832	6,264,498
Grafton	2,835,035	3,299,668	3,410,382	3,304,133	3,412,711
Rugby	1,639,192	1,925,232	2,033,038	2,148,155	2,277,383
Bottineau	1,921,289	1,570,910	1,649,397	1,761,289	1,820,679

SOURCE: North Dakota League of Cities, Taxable Valuation and Tax Levies in North Dakota Cities, various years.

TABLE 13.37

FEDERAL FUNDS DISTRIBUTED IN NORTH DAKOTA BY MAJOR FUNCTIONAL CLASSIFICATION, 1970-1977
(Thousands of Dollars)

Function	Fiscal Year			
	1970	1971	1972	1973
National Defense	$ 309,938	$ 188,757	$ 213,256	$ 238,556
International Affairs	13	22	321	360
Gen. Science, Space & Technology	---------	6	16	---------
Nat. Resources, Environment & Energy	18,670	22,124	28,196	29,251
Agriculture	391,712	345,025	449,328	317,286
Commerce & Transportation	65,502	70,392	42,586	65,849
Community & Regional Dev.	15,541	12,944	19,016	14,048
Ed., Training, Employ. & Social Services	44,992	49,563	58,611	53,605
Health	30,651	42,709	53,910	42,811
Income Security	118,685	133,814	154,853	197,064
Veterans Benefits & Service	25,199	28,701	30,609	35,781
Law Enforcement & Justice	2,169	2,713	3,648	3,969
General Government	7,535	7,875	6,853	7,188
Revenue Sharing & General Purpose Fiscal Assistance	---------	---------	---------	27,670
Interest	28,757	31,203	27,430	26,140
Total	$1,061,423	$ 935,835	$1,088,633	$1,059,610

Function	1974	1975	1976	1977
National Defense	$ 284,212	$ 375,310	$ 368,315	$ 258,487
International Affairs	348	50	90	1,448
Gen. Science, Space & Technology	---------	---------	1,382	436
Nat. Resources, Environment & Energy	32,827	35,539	46,793	55,005
Agriculture	162,541	80,720	44,724	378,357
Commerce & Transportation	81,491	123,965	95,971	92,571
Community & Regional Dev.	12,766	28,735	25,471	91,184
Ed., Training, Employ. & Social Services	47,901	54,766	80,968	102,623
Health	51,479	61,047	78,017	100,649
Income Security	228,886	263,043	268,616	309,491
Veterans Benefits & Service	39,104	46,703	50,427	51,540
Law Enforcement & Justice	3,891	3,710	7,862	7,850
General Government	7,099	5,170	7,986	6,487
Revenue Sharing & General Purpose Fiscal Assistance	25,369	22,206	20,085	19,828
Interest	32,444	29,975	36,557	529
Total	$1,010,355	$1,130,942	$1,133,261	$1,476,483

SOURCE: Executive Office of the President, Geographic Distribution of Federal Funds in North Dakota, various Fiscal Years, (formerly Fed. Outlays in ND).

* Interest on Public Debt formerly included in this category & now included in Indirect Fed. Support which does not directly impact geographic areas and therefore not included in totals.

Note: Because of great variety and complexity of federal expenditures, allocations of individual items to functional categories may be somewhat arbitrary. More complete detail may be found in the source document. Also, details may not add to totals due to rounding.

TABLE 13.39

REVENUE SHARING ENTITLEMENTS FOR STATE AND COUNTY GOVERNMENTS, ENTITLEMENT PERIODS 1-10, January 1972 - September 1979

County	Entitlement Periods 1-8 January 1972- September 1977	Entitlement Period 9 October 1977- September 1978	Entitlement Period 10 October 1978- September 1979
State Gov't.	$40,554,974	$4,992,760	$6,085,975
Adams	426,683	44,709	61,686
Barnes	1,005,278	92,234	130,348
Benson	795,060	84,167	127,617
Billings	213,197	24,434	29,289
Bottineau	925,078	83,176	113,770
Bowman	380,435	30,156	42,635
Burke	495,015	38,009	67,215
Burleigh	1,477,453	286,370	260,882
Cass	2,377,751	390,151	426,394
Cavalier	845,734	56,965	109,929
Dickey	693,413	64,248	124,025
Divide	525,469	50,350	59,266
Dunn	633,805	77,817	98,895
Eddy	474,362	60,499	76,534
Emmons	480,422	126,226	161,743
Foster	245,746	31,570	56,802
Golden Valley	213,547	21,339	53,883
Grand Forks	2,168,673	400,168	377,151
Grant	612,779	79,849	99,794
Griggs	414,444	35,697	54,871
Hettinger	586,132	45,349	93,436
Kidder	511,862	73,702	92,263
La Moure	565,542	62,564	117,791
Logan	344,992	54,346	68,811
McHenry	971,118	115,859	136,782
McIntosh	329,503	66,331	105,102
McKenzie	485,482	71,925	92,153
McLean	1,302,216	129,564	164,985
Mercer	519,520	117,584	96,376
Morton	2,541,212	337,057	365,843
Mountrail	805,317	99,283	103,789
Nelson	706,508	95,636	119,473
Oliver	406,047	42,100	38,581

TABLE 13.39--*Continued*

County	Entitlement Periods 1-8 January 1972-September 1977	Entitlement Period 9 October 1977-September 1978	Entitlement Period 10 October 1978-September 1979
Pembina	$ 906,907	$ 55,156	$ 102,409
Pierce	835,041	88,286	120,782
Ramsey	899,170	161,509	176,437
Ransom	455,115	46,610	80,253
Renville	439,195	24,359	36,851
Richland	1,855,638	123,322	217,429
Rolette	557,005	84,605	84,913
Sargent	568,810	43,472	71,737
Sheridan	310,528	35,446	56,822
Sioux	225,466	33,477	36,334
Slope	187,478	22,468	40,075
Stark	1,108,149	163,262	190,384
Steele	342,605	22,538	44,587
Stutsman	1,432,829	185,646	229,065
Towner	403,773	35,860	54,253
Traill	959,032	57,473	108,108
Walsh	1,268,226	87,025	138,891
Ward	1,918,970	381,442	336,121
Wells	516,262	36,036	52,152
Williams	1,443,958	228,111	220,007

SOURCE: Dept. of the Treasury, Office of Revenue Sharing, 8-Eighth Period Entitlements, March 1977; and 10-Tenth Period Entitlements, July 1978.

Note: Differences exist between initial entitlement, payment and final entitlement due to data revisions, waivers and late filings therefore the total money actually received may vary slightly.

TABLE 13.40

TOTAL REVENUE SHARING FUNDS DISPERSED BY FEDERAL GOVERNMENT AND AMOUNT RECEIVED BY NORTH DAKOTA GOVERNMENTAL BODIES FOR ENTITLEMENT PERIODS 1-9, January 1972-September 1978

	North Dakota		United States	
	Number of Eligible Governments	Amount Received Entitlement Periods 1-9	Number of Eligible Governments	Recipients Paid Entitlement Periods 1-9
State Govt.	1	$ 44,384,703	51	$13,598,644,043
Counties	53	46,168,065	3,108	10,221,887,495
Municipalities	362	29,873,961	18,872	14,370,723,942
Townships	1,361	10,891,316	16,608	2,033,299,198
Indian Tribes	5	1,839,423	334	53,605,987
Total	1,782	$133,157,468	39,173	$40,278,160,665

SOURCE: Dept. of the Treasury, Office of Revenue Sharing, 10-Tenth Period Entitlements, July 1978.

TABLE 13.41

REVENUE SHARING ENTITLEMENTS FOR NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, ENTITLEMENT PERIODS 1-10, January 1972 - September 1979

Municipalities	Entitlement Periods 1-8 January 1972-September 1977	Entitlement Period 9 October 1977-September 1978	Entitlement Period 10 October 1978-September 1979
Fargo	$3,703,510	$511,756	$609,503
Grand Forks	3,300,532	452,774	560,920
Bismarck	2,788,854	509,019	560,806
Minot	2,689,397	462,317	478,809
Jamestown	1,166,627	127,335	171,828
Dickinson	962,603	161,206	183,796
Williston	999,906	119,180	140,944
Mandan	892,414	127,537	173,149
Valley City	651,894	58,815	83,078
Devils Lake	476,888	91,322	125,824
Wahpeton	498,585	47,022	93,930
West Fargo	285,520	56,220	55,261
Grafton	386,965	27,548	40,954
Rugby	227,700	26,070	36,361
Bottineau	93,461	8,829	8,633

SOURCE: Dept. of the Treasury, Office of Revenue Sharing, 8-Eighth Period Entitlements, March 1977; and 10-Tenth Period Entitlements, July 1978.

TABLE 13.35

RANKING* OF SELECTED STATES BY DISTRIBUTION OF FEDERAL FUNDS AND SELECTED DEMOGRAPHIC CHARACTERISTICS, 1977

Characteristics	NORTH DAKOTA	South Dakota	Nebraska	Montana	Wyoming	Minnesota
	Rank	Rank	Rank	Rank	Rank	Rank
Federal Funds Distributed, FY 1977 (Billions of Dollars)	45 ($1.5)	46 ($1.4)	37 ($2.5)	41 ($1.7)	51 ($ .7)	20 ($6.1)
Per Capita Federal Funds, FY 1977	8 ($2,318)	11 ($2,092)	39 ($1,594)	9 ($2,261)	20 ($1,949)	40 ($1,566)
Per Capita Income, 1976	41	50	27	35	14	28
Resident Population, 1976	40	45	35	43	50	19
Federal Income Tax, FY 1976	46	48	30	47	49	14
Number Unemployed, August 1977	49	50	46	45	51	24
Low Income Individuals, 1975	45	39	36	41	50	25
Average School Expenditures Per Pupil, 1976	30	40	26	10	14	12
Living Veterans, 1975	48	46	35	42	50	19
Federal Civilian Employment, 1975	47	44	38	42	49	27
Land Area, 1970	17	16	15	4	9	12
Federally Owned Land, 1975	20	16	35	9	8	15
Number of Hospital Beds, 1974	42	41	35	46	50	17

SOURCE: Executive Office of the President, Geographic Distribution of Federal Funds in North Dakota, Fiscal Year 1977.

* Rankings based on 50 states and the District of Columbia.

TABLE 13.36

DISTRIBUTION OF FEDERAL FUNDS AMONG SELECTED STATES: RANKING* AND PERCENTAGE OF TOTAL FEDERAL FUNDS BY MAJOR FUNCTIONAL CLASSIFICATION, FISCAL YEAR, 1977

Major Functional Classification	NORTH DAKOTA		South Dakota		Nebraska		Montana		Wyoming		Minnesota	
	Percent Total Funds	Rank	Percent Total Funds	Rank	Percent Total Funds	Rank	Percent Total Funds	Rank	Percent Total Funds	Rank	Percent Total Funds	Rank
National Defense	.3%	45	.2%	50	.4%	39	.3%	43	.1%	51	.9%	32
International Affairs	.1	33	.0	48	.1	30	.0	38	.0	50	4.1	6
General Science, Space & Technology	.0	51	.0	49	.1	41	.0	48	.0	46	.3	27
Natural Resources, Environment, & Energy	.3	47	.4	44	.4	43	.9	32	.8	35	.8	33
Agriculture	5.1	5	3.5	8	3.9	7	2.2	18	.2	42	8.7	1
Commerce and Transportation	.3	47	.4	43	.6	37	.5	42	.2	50	1.7	18
Community & Regional Development	.7	41	.9	36	.6	43	.8	39	.4	50	1.3	23
Ed., Training, Employ., & Social Services	.4	46	.5	40	.5	39	.5	41	.2	51	1.7	19
Health	.3	43	.2	47	.7	35	.2	44	.1	51	1.8	15
Income Security	.3	46	.3	45	.7	36	.3	44	.1	50	1.6	22
Veterans Benefits & Services	.3	48	.5	41	.7	36	.4	44	.2	49	1.9	18
Law Enforcement & Justice	.3	40	.3	41	.2	46	.4	39	.1	51	1.1	22
General Government	.1	49	.1	48	.2	39	.2	44	.1	51	.7	27
Revenue Sharing & General Purpose Fiscal Assistance	.2	50	.3	47	.5	38	.5	42	.2	51	1.7	18
Interest	.2	49	.2	47	.7	31	.3	40	.1	50	1.7	15

SOURCE: Executive Office of the President, *Geographic Distribution of Federal Funds in North Dakota*, Fiscal Year 1977.

* Rankings based on 50 states and the District of Columbia.

TABLE 13.38

FEDERAL FUNDS DISTRIBUTED IN NORTH DAKOTA BY COUNTY, 1970-1977
(Thousands of Dollars)

County	Fiscal Year							
	1970	1971	1972	1973	1974	1975	1976	1977
NORTH DAKOTA	$1,061,423	$935,835	$1,088,633	$1,059,610	$1,010,355	$1,130,942	$1,113,261	$1,476,483
Adams	6,330	6,481	7,372	6,354	5,058	3,561	4,293	8,136
Barnes	20,565	20,018	24,219	21,715	16,570	15,410	19,815	33,321
Benson	14,941	16,407	17,348	16,769	27,488	29,850	31,845	43,262
Billings	10,377	2,124	2,027	1,592	1,693	2,831	2,008	3,602
Bottineau	19,343	17,139	20,504	16,919	14,116	11,370	11,794	24,071
Bowman	5,262	5,055	6,176	6,095	4,690	3,524	4,456	7,742
Burke	8,076	7,869	9,014	8,486	6,962	5,264	6,039	11,186
Burleigh	46,520	55,402	68,963	76,433	76,286	100,908	104,852	128,791
Cass	83,794	88,401	97,218	93,020	89,785	101,045	110,093	143,984
Cavalier	19,262	19,666	35,843	28,436	24,727	25,335	36,190	28,482
Dickey	11,074	10,653	12,291	10,100	8,356	7,461	8,431	16,122
Divide	12,313	11,510	12,450	9,697	7,317	6,616	7,641	12,365
Dunn	7,131	6,541	7,803	6,724	4,958	4,562	5,316	9,726
Eddy	6,511	5,970	7,453	5,712	4,786	4,593	4,749	9,352
Emmons	8,436	8,003	9,766	7,734	6,263	7,474	5,562	12,773
Foster	7,972	7,440	9,301	7,232	5,374	4,526	5,834	11,273
Golden Valley	3,935	6,054	4,491	4,207	4,461	2,355	3,401	5,587
Grand Forks	238,229	124,525	147,446	151,550	170,722	176,007	240,856	168,345
Grant	6,717	5,889	8,371	6,651	5,115	5,365	5,646	8,033
Griggs	7,711	6,539	8,154	6,475	4,770	3,843	4,300	8,430
Hettinger	9,373	9,161	12,283	9,598	7,904	4,974	4,981	13,176
Kidder	5,678	5,747	6,911	5,909	4,883	4,907	4,212	7,735
La Moure	17,987	11,376	14,023	11,367	8,509	7,762	7,571	16,047
Logan	5,337	5,045	6,281	4,943	3,890	4,133	3,903	6,931
McHenry	12,036	12,599	13,160	12,470	10,217	10,818	10,566	17,500

TABLE 13.38--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	$ 7,438	$ 6,593	$ 7,802	$ 6,101	$ 5,179	$ 5,740	$ 4,851	$ 9,496
McKenzie	8,093	9,361	10,864	9,179	9,153	6,407	6,883	12,562
McLean	22,769	22,434	23,713	25,932	22,964	18,947	16,007	26,595
Mercer	6,580	6,140	6,852	6,613	5,242	5,832	5,916	9,557
Morton	13,891	14,450	16,931	18,135	18,260	20,430	22,444	29,009
Mountrail	15,215	16,311	16,310	15,228	13,053	13,142	12,359	25,253
Nelson	11,968	11,817	13,028	11,419	8,683	8,698	7,134	15,683
Oliver	3,906	2,986	2,800	2,745	1,787	1,661	1,452	3,573
Pembina	16,460	17,437	23,491	29,080	17,400	20,640	24,538	31,504
Pierce	8,224	9,071	9,323	8,541	8,288	7,431	6,123	10,318
Ramsey	19,095	17,968	19,932	19,208	17,037	16,983	15,797	27,254
Ransom	8,981	8,956	10,399	9,362	8,445	7,352	8,433	13,319
Renville	8,073	7,496	8,659	7,186	4,966	3,965	3,899	9,775
Richland	20,809	23,744	33,718	39,433	29,226	42,553	20,663	33,949
Rolette	18,718	20,069	22,497	22,685	24,749	26,978	25,801	40,404
Sargent	8,880	8,751	8,897	8,493	6,337	6,242	6,049	12,010
Sheridan	5,414	6,521	9,052	7,722	7,595	8,276	9,917	12,938
Sioux	8,975	8,305	10,030	10,135	13,027	14,445	10,608	24,082
Slope	3,492	3,613	4,783	3,510	2,529	1,888	1,044	3,466
Stark	13,335	14,038	15,889	15,749	14,775	15,113	16,485	20,980
Steele	8,689	8,682	10,778	8,560	6,204	5,004	6,471	12,205
Stutsman	27,093	27,852	35,804	32,249	26,098	28,356	31,391	46,023
Towner	10,940	9,262	11,095	9.795	6,865	5,634	5,061	10,927
Traill	17,723	18,187	15,544	13,224	11,653	11,560	11,149	22,113
Walsh	25,963	20,278	30,994	22,774	23,112	18,949	18,750	36,533
Ward	112,648	107,907	100,677	124,713	143,724	225,485	151,458	170,754
Wells	14,190	13,300	16,538	13,132	10,365	9,204	8,849	18,185
Williams	18,954	18,693	23,363	22,469	18,737	19,534	19,374	32,045

SOURCE: Executive Office of the President, Geographical Distribution of Federal Funds, various Fiscal Years, (formerly Federal Outlays in North Dakota).

14.00

SOCIAL INSURANCE AND WELFARE SERVICES

This section contains data pertaining to social insurance and welfare programs currently operating in North Dakota.

Social insurance programs attempt to deal with problems of economic insecurity by insuring against them. Areas of need addressed through social insurance programs include: old age, survivors, disability and health insurance (OASDHI), occupational disease and industrial injury (Workmen's Compensation), and unemployment (Unemployment Insurance). Payments are made to beneficiaries of these programs who meet pre-established conditions of eligibility which may include prior contributions deducted from income or a work history of covered employment.

Problems of economic insecurity which cannot be attacked through social insurance programs have been dealt with through public assistance programs. Public assistance is provided primarily in the form of financial aid extended to persons who can demonstrate need. Some programs, such as the Food Stamp Program, extend "in-kind" assistance to needy persons.

Data for social insurance programs were obtained from a variety of sources. All data pertaining to the Old Age, Survivor, Disability and Health Insurance programs were obtained from computer records provided by the Bismarck office of the Social Security Administration. Data on the Supplemental Security Income program (SSI) for the aged, blind, and disabled were obtained from the Social Security Administration's Grand Forks office.

Data on unemployment compensation in North Dakota were obtained from the North Dakota Employment Security Bureau. The data do not include the unemployment compensation programs administered for federal employees and exservicemen. Data on workers' compensation from occupational injury were obtained from the *Biennial Reports* and *Annual Reports* published by the North Dakota Workmen's Compensation Bureau.

The source of all data on public assistance programs in North Dakota is the North Dakota Social Services Board, Division of Research and Statistics. The Board's bulletin, *Statistics*, presents statewide and county data on public assistance programs.

Comprehensive data on transfer payments by North Dakota county were obtained from the U.S. Department of Commerce, Bureau of Economic Analysis, *Regional Economics Information System*. These data are estimated by the Bureau of Economic Analysis and are subject to occasional revision.

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TABLE 14.02

SOCIAL SECURITY (OASDHI): NUMBER OF RETIRED WORKERS AND AVERAGE MONTHLY BENEFIT, NORTH DAKOTA, SELECTED YEARS, 1950-1977

Year*	Number**	Average Monthly Benefit
1950	2,495	$ 36.56
1955	9,173	52.90
1956	11,471	54.23
1957	19,101	61.74
1958	23,510	63.52
1959	26,235	70.79
1960	28,482	71.64
1961	31,847	72.60
1962	34,707	72.60
1963	36,234	72.92
1964	37,242	73.32
1965	38,395	79.13
1966	40,380	79.36
1967	41,156	80.30
1968	42,196	92.48
1969	42,960	93.62
1970	44,381	110.01
1971	46,078	122.53
1972	47,792	150.36
1973	49,734	153.40
1974	50,598	173.40
1975	52,011	191.57
1976	53,499	209.18
1977	55,357	227.34

SOURCE: United States Social Security Administration; Bismarck, North Dakota office.

* As of December 31 of year indicated.

** Excludes "special" primary beneficiaries and "special" wife beneficiaries.

TABLE 14.03

SOCIAL SECURITY (OASDHI): NUMBER OF MONTLY CASH BENEFITS IN CURRENT-PAYMENT STATUS BY BENEFIT CATEGORY, BY NORTH DAKOTA COUNTY, DECEMBER 1977

County	Total	Benefit Category				
		Retired Worker[1]	Disabled Worker	Wife or Husband[2]	Children	Widow, Widower, or Parent
NORTH DAKOTA	103,346	56,074	4,954	14,392	13,258	14,668
Adams	750	396	32	120	105	97
Barnes	3,075	1,820	93	428	286	448
Benson	1,784	882	66	289	328	219
Billings	113	57	5	19	19	13
Bottineau	2,044	1,180	54	335	192	283
Bowman	780	412	39	98	96	135
Burke	1,045	590	42	183	101	129
Burleigh	5,966	3,232	358	646	936	794
Cass	10,622	6,052	630	1,130	1,329	1,481
Cavalier	1,687	883	47	295	209	253
Dickey	1,477	800	77	209	151	240
Divide	779	432	26	121	86	114
Dunn	717	353	29	121	104	110
Eddy	914	519	32	134	91	138
Emmons	1,226	580	64	242	158	182
Foster	937	530	39	147	91	130
Golden Valley	544	296	20	81	67	80
Grand Forks	6,652	3,806	394	622	880	950
Grant	875	415	46	177	109	128
Griggs	908	527	29	140	90	122
Hettinger	936	464	37	178	105	152
Kidder	765	362	40	136	104	123
La Moure	1,490	800	46	285	117	242
Logan	871	427	44	188	92	120
McHenry	1,900	1,010	76	344	210	260
McIntosh	1,274	664	50	273	94	193
McKenzie	848	437	42	123	119	127
McLean	2,343	1,219	95	389	310	330
Mercer	1,276	601	59	263	140	213
Morton	3,600	1,655	230	559	561	595

TABLE 13.42

FEDERAL CIVILIAN EMPLOYMENT AND FIRST QUARTER PAYROLL BY NORTH DAKOTA COUNTY: 1970, 1974 and 1976

County	1970		1974		1976	
	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)
NORTH DAKOTA	9,518	$17,963	9,770	$24,524	9,715	$27,500
Adams	37	55	25	63	24	64
Barnes	130	248	122	309	96	283
Benson	92	159	82	186	86	244
Billings	30	52	26	62	28	80
Bottineau	112	220	102	277	98	310
Bowman	32	53	31	71	25	72
Burke	71	139	68	210	69	229
Burleigh	718	1,841	691	2,311	800	2,804
Cass	1,525	3,568	1,676	4,831	1,855	5,960
Cavalier	92	184	261	799	198	692
Dickey	63	107	69	167	53	160
Divide	134	217	88	217	75	200
Dunn	45	82	39	99	40	110
Eddy	42	73	35	84	24	72
Emmons	57	101	49	125	45	130
Foster	44	75	37	95	41	114
Golden Valley	30	49	20	48	20	57
Grand Forks	1,276	2,100	1,350	3,052	1,416	3,175

TABLE 13.42--*Continued*

County	1970		1974		1976	
	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)
Grant	53	$ 83	43	$ 99	37	$ 105
Griggs	39	64	35	79	31	89
Hettinger	56	92	46	108	42	123
Kidder	43	83	40	96	34	105
La Moure	72	129	73	168	67	181
Logan	43	66	35	80	27	78
McHenry	109	187	88	216	74	213
McIntosh	44	73	40	94	36	103
McKenzie	53	93	48	119	53	158
McLean	241	528	235	668	191	623
Mercer	46	77	43	100	37	103
Morton	133	279	128	374	134	410
Mountrail	209	328	194	479	196	584
Nelson	56	103	48	120	51	144
Oliver	20	35	15	40	11	33
Pembina	132	318	135	447	121	465
Pierce	59	93	48	94	42	115
Ramsey	159	328	174	481	161	503
Ransom	56	96	43	108	36	106
Renville	45	75	38	92	32	93
Richland	212	337	183	259	164	485
Rolette	362	580	384	358	417	1,213

TABLE 13.42--*Continued*

County	1970 Number of Employees (Mid-March)	1970 1st Quarter Payroll Jan.-March (Thousand)	1974 Number of Employees (Mid-March)	1974 1st Quarter Payroll Jan.-March (Thousand)	1976 Number of Employees (Mid-March)	1976 1st Quarter Payroll Jan.-March (Thousand)
Sargent	69	$ 124	64	$ 153	53	$ 151
Sheridan	35	58	41	104	35	111
Sioux	218	335	257	676	282	811
Slope	16	22	11	26	7	19
Stark	131	282	120	333	124	368
Steele	88	93	71	146	64	130
Stutsman	280	591	269	773	229	735
Towner	46	79	40	95	33	94
Traill	76	143	70	175	54	160
Walsh	145	289	115	301	93	266
Ward	1,334	2,017	1,483	3,193	1,535	3,185
Wells	84	156	88	233	83	262
Williams	128	250	133	323	108	316
Unallocated	96	154	121	308	28	104

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota 1970, 1974 and 1976.

TABLE 14.01

TRANSFER PAYMENTS BY NORTH DAKOTA COUNTY, 1970-1977
(Thousands of Dollars)

County	1970	1971	1972	1973	1974	1975	1976	1977
NORTH DAKOTA	$212,655	$248,251	$278,780	$315,664	$362,509	$424,195	$468,670	$522,026
Adams	1,372	1,563	1,727	2,060	2,303	2,755	2,979	3,310
Barnes	5,967	6,830	7,698	8,551	9,802	11,166	12,165	13,645
Benson	3,617	4,111	4,604	5,258	5,742	6,845	7,557	8,388
Billings	193	239	270	262	305	380	443	510
Bottineau	3,684	4,272	4,794	5,470	6,321	7,439	8,302	9,149
Bowman	1,421	1,596	1,786	2,017	2,281	2,679	3,010	3,362
Burke	1,774	2,026	2,342	2,686	3,015	3,580	3,905	4,347
Burleigh	11,721	14,060	16,733	19,483	22,982	27,847	30,703	34,598
Cass	24,390	29,130	33,470	37,842	43,930	51,562	56,982	63,256
Cavalier	3,095	3,715	4,221	4,874	5,535	6,261	6,490	7,340
Dickey	2,645	3,083	3,399	3,965	4,561	5,389	5,085	6,462
Divide	1,451	1,604	1,772	2,005	2,311	2,666	2,950	3,349
Dunn	1,489	1,698	1,832	1,998	2,425	2,730	3,049	3,274
Eddy	1,698	1,946	2,124	2,351	2,560	3,006	3,371	3,801
Emmons	2,029	2,367	2,574	2,941	3,441	4,081	4,408	4,880
Foster	1,742	1,973	2,275	2,566	2,897	3,421	3,672	4,068
Golden Valley	950	1,127	1,219	1,388	1,652	1,855	2,124	2,378
Grand Forks	16,043	19,026	21,709	24,137	28,608	33,784	38,119	43,119
Grant	1,401	1,709	1,848	2,139	2,372	2,741	3,096	3,428
Griggs	1,477	1,709	1,857	2,128	2,448	2,937	3,179	3,602
Hettinger	1,532	1,689	2,008	2,254	2,501	2,909	3,367	3,896
Kidder	1,241	1,465	1,674	1,927	2,216	2,598	2,838	3,117
La Moure	2,663	2,961	3,266	3,702	4,241	4,901	5,392	5,971
Logan	1,283	1,477	1,603	1,804	2,067	2,459	2,852	3,252
McHenry	3,612	4,042	4,545	5,149	5,756	6,605	7,408	8,210

TABLE 14.01--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977
McIntosh	$ 1,855	$ 2,143	$ 2,402	$ 2,777	$ 3,197	$ 3,847	$ 4,088	$ 4,592
McKenzie	1,734	2,003	2,192	2,414	2,829	3,284	3,712	4,202
McLean	4,057	4,899	5,415	6,233	7,195	8,360	9,406	10,475
Mercer	2,179	2,688	2,880	3,361	3,799	4,467	5,054	5,658
Morton	6,578	7,841	8,803	9,893	11,461	13,769	15,382	17,169
Mountrail	3,520	3,957	4,320	4,826	5,408	6,140	6,620	7,375
Nelson	2,667	3,068	3,391	3,798	4,249	5,035	5,338	6,003
Oliver	471	554	610	692	730	816	994	1,156
Pembina	4,781	5,391	6,007	6,806	7,531	8,514	9,417	10,479
Pierce	2,161	2,446	2,742	3,176	3,735	4,264	4,614	5,092
Ramsey	5,339	6,328	7,301	8,234	9,260	10,945	11,838	13,300
Ransom	2,918	3,524	3,743	4,220	4,717	5,411	5,932	6,543
Renville	1,278	1,540	1,803	2,066	2,374	2,774	2,939	3,302
Richland	6,857	7,924	8,984	10,217	11,800	13,803	15,178	16,960
Rolette	6,415	7,547	7,695	8,388	9,428	10,935	12,407	12,941
Sargent	2,197	2,496	2,785	3,066	3,448	4,012	4,542	5,084
Sheridan	1,028	1,216	1,346	1,557	1,789	2,057	2,255	2,488
Sioux	2,150	2,517	2,374	2,606	3,034	3,316	3,836	3,666
Slope	326	351	401	458	496	622	717	764
Stark	5,902	6,955	7,845	8,981	10,478	12,383	13,674	15,253
Steele	1,244	1,445	1,576	1,764	1,980	2,290	2,528	2,769
Stutsman	8,097	9,322	10,491	12,091	13,856	16,139	17,483	19,337
Towner	1,845	2,134	2,410	2,615	2,939	3,414	3,535	3,923
Traill	4,030	4,679	5,115	5,776	6,661	7,794	8,602	9,630
Walsh	6,522	7,452	8,222	9,382	10,714	12,257	13,543	15,237
Ward	17,203	20,011	22,999	26,179	30,055	35,202	38,999	43,468
Wells	3,304	3,749	4,105	4,646	5,259	5,967	6,586	7,399
Williams	7,507	8,653	9,473	10,485	11,815	13,832	15,285	17,049

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 14.03--*Continued*

County	Total	Benefit Category				
		Retired Worker[1]	Disabled Worker	Wife or Husband[2]	Children	Widow, Widower, or Parent
Mountrail	1,581	828	82	197	250	224
Nelson	1,530	909	46	225	143	207
Oliver	259	128	10	50	34	37
Pembina	2,222	1,237	91	306	234	354
Pierce	1,199	668	42	184	137	168
Ramsey	2,640	1,538	109	364	258	371
Ransom	1,498	891	65	216	123	203
Renville	774	424	24	133	89	104
Richland	3,340	1,864	123	482	347	524
Rolette	1,729	756	106	176	463	228
Sargent	1,166	611	52	188	125	190
Sheridan	578	305	19	116	55	83
Sioux	368	107	19	33	171	38
Slope	145	78	8	21	23	15
Stark	3,250	1,580	173	506	508	483
Steele	649	367	20	125	53	84
Stutsman	3,955	2,199	249	496	471	540
Towner	900	512	28	141	87	132
Traill	2,243	1,322	68	326	207	320
Walsh	3,576	1,950	124	431	642	429
Ward	6,630	3,731	402	731	913	853
Wells	1,704	928	64	311	160	241
Williams	3,212	1,740	189	359	485	439

SOURCE: United States Social Security Administration; Grand Forks, North Dakota office.

[1] Includes "special" primary beneficiaries.

[2] Includes "special" wife beneficiaries.

TABLE 14.05

SOCIAL SECURITY (OASDHI): NUMBER OF MONTHLY CASH BENEFITS IN CURRENT-PAYMENT STATUS BY AGE OF BENEFICIARY AND SEX OF ADULTS, BY NORTH DAKOTA COUNTY, DECEMBER 1977

County	Total	Age of Beneficiary			Adult Beneficiaries	
		Under 65	65-71	72 and over	Men	Women
NORTH DAKOTA	103,346	30,741	31,697	40,908	39,026	51,062
Adams	750	230	225	295	296	349
Barnes	3,075	769	945	1,361	1,180	1,609
Benson	1,784	582	534	668	700	756
Billings	113	43	43	27	46	48
Bottineau	2,044	507	672	865	864	988
Bowman	780	236	273	271	292	392
Burke	1,045	286	369	390	457	487
Burleigh	5,966	1,970	1,873	2,123	1,949	3,081
Cass	10,622	3,109	3,011	4,502	3,646	5,647
Cavalier	1,687	478	526	683	695	783
Dickey	1,477	379	437	661	595	731
Divide	779	231	251	297	311	382
Dunn	717	243	249	225	283	330
Eddy	914	229	274	411	371	452
Emmons	1,226	426	379	421	510	558
Foster	937	254	280	403	381	465
Golden Valley	544	154	147	243	194	283
Grand Forks	6,652	1,997	1,851	2,804	2,250	3,522
Grant	875	302	312	261	363	403
Griggs	908	230	283	395	383	435
Hettinger	936	278	331	327	388	443
Kidder	765	254	249	262	306	355
La Moure	1,490	349	500	641	618	755
Logan	871	270	304	297	352	427
McHenry	1,900	542	652	706	789	901
McIntosh	1,274	307	461	506	526	654
McKenzie	848	303	251	294	338	391
McLean	2,343	727	800	816	950	1,083
Mercer	1,276	399	456	421	506	630
Morton	3,600	1,264	1,075	1,261	1,270	1,769

TABLE 14.05--*Continued*

County	Total	Age of Beneficiary			Adult Beneficiaries	
		Under 65	65-71	72 and over	Men	Women
Mountrail	1,581	559	452	570	620	711
Nelson	1,530	357	401	772	649	738
Oliver	259	81	98	80	108	117
Pembina	2,222	595	649	978	896	1,092
Pierce	1,199	315	429	455	454	608
Ramsey	2,640	668	800	1,172	1,018	1,364
Ransom	1,498	344	464	690	640	735
Renville	774	212	280	282	320	365
Richland	3,340	840	977	1,523	1,311	1,682
Rolette	1,729	770	465	494	568	598
Sargent	1,166	328	319	519	482	559
Sheridan	578	154	197	227	260	263
Sioux	368	234	74	60	99	98
Slope	145	51	45	49	64	58
Stark	3,250	1,179	1,000	1,071	1,164	1,578
Steele	649	150	206	293	284	312
Stutsman	3,955	1,134	1,232	1,589	1,450	2,034
Towner	900	214	299	387	365	448
Traill	2,243	526	635	1,082	896	1,140
Walsh	3,576	1,102	974	1,500	1,328	1,606
Ward	6,630	2,055	2,171	2,404	2,364	3,353
Wells	1,704	424	567	713	710	834
Williams	3,212	1,101	950	1,161	1,167	1,560

SOURCE: United States Social Security Administration; Grand Forks, North Dakota office.

TABLE 14.04

SOCIAL SECURITY (OASDHI): AMOUNT OF MONTHLY CASH BENEFITS IN CURRENT-PAYMENT STATUS BY BENEFIT CATEGORY AND AGE OF BENEFICIARY, BY NORTH DAKOTA COUNTY, DECEMBER 1977 (Dollars)

County	Total	Benefit Category					Age of Beneficiary	
		Retired Worker[1]	Disabled Worker	Wife or Husband[2]	Children	Widow, Widower, or Parent	Under 65	65 and over
NORTH DAKOTA	$20,266,802	$12,640,400	$1,197,770	$1,640,214	$1,713,385	$3,075,033	$4,963,390	$15,303,412
Adams	149,307	93,095	7,764	14,688	13,737	20,023	36,638	112,669
Barnes	613,129	406,595	20,843	50,817	37,774	97,100	123,787	489,342
Benson	319,431	196,477	15,332	33,508	30,338	43,776	72,185	247,246
Billings	18,214	11,209	1,216	1,437	1,710	2,343	5,250	12,964
Bottineau	406,894	266,784	13,083	40,087	25,597	61,343	84,678	322,216
Bowman	154,835	95,094	8,939	11,376	11,721	27,705	36,777	118,058
Burke	207,099	135,881	9,899	21,572	13,020	26,727	45,163	161,936
Burleigh	1,228,125	768,586	89,263	73,710	127,396	169,170	330,934	897,191
Cass	2,305,316	1,454,883	163,123	142,541	204,250	340,519	572,190	1,733,126
Cavalier	323,146	201,525	12,627	33,543	22,564	52,887	71,128	252,018
Dickey	281,695	172,741	18,494	22,499	21,179	46,782	64,566	217,129
Divide	162,395	102,702	6,612	16,130	11,867	25,084	40,192	122,203
Dunn	115,779	69,044	6,213	11,281	10,291	18,950	29,987	85,792
Eddy	176,999	115,232	6,650	15,250	11,390	28,477	35,490	141,509
Emmons	204,263	116,884	14,475	23,073	16,059	33,772	58,839	145,424
Foster	182,876	118,854	8,448	17,750	12,002	25,822	41,475	141,401
Golden Valley	108,454	68,375	5,253	9,427	9,254	16,145	25,494	82,960
Grand Forks	1,408,381	894,032	97,707	77,490	126,058	213,094	351,411	1,056,970
Grant	142,585	82,300	9,747	16,736	10,514	23,288	39,832	102,753
Griggs	173,199	113,167	6,837	16,185	12,377	24,633	37,023	136,176

TABLE 14.04--Continued

County	Total	Benefit Category					Age of Beneficiary	
		Retired Worker[1]	Disabled Worker	Wife or Husband[2]	Children	Widow, Widower, or Parent	Under 65	65 and over
Hettinger	$ 181,527	$ 106,621	$ 9,140	$ 20,017	$ 13,487	$ 32,262	$ 45,643	$ 135,884
Kidder	130,433	74,195	8,870	12,983	10,753	23,632	34,371	96,062
La Moure	280,949	173,677	10,826	31,471	15,485	49,490	56,288	224,661
Logan	148,520	85,770	9,946	18,798	10,528	23,478	40,783	107,737
McHenry	352,873	218,839	18,511	36,297	27,277	51,949	83,396	269,477
McIntosh	217,068	133,569	11,104	27,459	10,181	34,755	44,680	172,388
McKenzie	161,687	99,010	9,501	13,885	14,360	24,931	45,484	116,203
McLean	445,113	272,229	23,375	44,702	37,288	67,519	114,253	330,860
Mercer	230,034	127,342	15,121	26,755	19,542	41,274	65,006	165,028
Morton	643,651	349,099	57,814	56,039	66,336	114,363	193,574	450,077
Mountrail	296,183	182,901	18,068	23,048	28,497	43,669	83,314	212,869
Nelson	302,415	202,892	11,190	26,268	16,835	45,230	55,653	246,762
Oliver	44,910	26,492	2,637	5,329	3,955	6,497	11,482	33,428
Pembina	440,201	276,042	20,592	36,163	33,080	74,324	101,358	338,843
Pierce	226,066	145,057	9,777	20,925	15,218	35,089	46,066	180,000
Ramsey	547,864	357,989	26,022	46,707	36,098	81,048	114,580	433,284
Ransom	272,737	180,435	15,025	22,132	14,100	41,045	53,273	219,464
Renville	159,618	102,123	5,803	15,935	12,292	23,465	34,424	125,194
Richland	644,360	403,056	31,382	54,260	46,740	108,922	140,853	503,507
Rolette	282,688	158,110	23,967	17,648	43,808	39,155	95,675	187,013

TABLE 14.04--*Continued*

County	Total	Benefit Category					Age of Beneficiary	
		Retired Worker[1]	Disabled Worker	Wife or Husband[2]	Children	Widow, Widower, or Parent	Under 65	65 and over
Sargent	$ 217,261	$ 130,455	$ 12,003	$ 20,786	$ 15,657	$ 38,360	$ 51,422	$ 165,839
Sheridan	102,391	64,768	4,271	11,253	6,175	15,924	23,206	79,185
Sioux	48,631	20,619	4,192	2,754	15,566	5,500	25,123	23,508
Slope	25,567	15,794	1,866	2,184	2,661	3,062	7,420	18,147
Stark	575,751	329,512	41,561	49,914	59,424	95,340	177,926	397,825
Steele	137,673	89,316	4,947	15,559	8,201	19,650	27,830	109,843
Stutsman	778,473	486,464	57,211	56,245	63,953	114,600	186,350	592,123
Towner	186,382	122,430	6,806	17,660	11,145	28,341	36,269	150,113
Traill	453,074	298,800	17,412	39,529	27,471	69,862	88,496	364,578
Walsh	693,592	440,249	28,269	49,910	83,584	91,580	168,599	524,993
Ward	1,370,355	874,356	94,643	89,745	125,116	186,495	348,401	1,021,954
Wells	326,353	205,432	15,087	34,884	20,434	50,516	67,672	258,681
Williams	660,280	403,297	48,306	43,870	69,040	95,767	191,481	468,799

SOURCE: U.S. Social Security Administration; Grand Forks, North Dakota office.

[1] Includes "special" Primary Beneficiaries.

[2] Includes "special" Wife Beneficiaries.

TABLE 14.06

SUPPLEMENTAL SECURITY INCOME (SSI): NUMBER OF BENEFICIARIES AND AMOUNT OF MONTHLY PAYMENTS BY BENEFIT CATEGORY, BY NORTH DAKOTA COUNTY, DECEMBER 1978

County	Total		Aged		Blind		Disabled	
	No. Rec.	Total Pmt.	No. Rec.	Total Pmt.	No. Rec.	Total Pmt.	No. Rec.	Total Pmt.
NORTH DAKOTA	6,914	$671,638	3,753	$281,510	69	$9,344	3,092	$380,784
Adams	61	4,371	26	1,246	---	---	35	3,125
Barnes	136	11,661	86	5,803	1	169	49	5,689
Benson	167	18,056	79	6,656	3	567	85	10,833
Billings	---	---	---	---	---	---	---	---
Bottineau	117	9,394	81	5,349	2	310	34	3,735
Bowman	32	2,702	20	1,637	---	---	12	1,065
Burke	40	3,926	28	2,304	---	---	12	1,622
Burleigh	363	38,274	198	14,414	2	277	163	23,583
Cass	570	64,108	252	20,013	6	710	312	43,385
Cavalier	100	7,858	74	5,516	---	---	26	2,342
Dickey	121	9,137	74	4,751	1	189	46	4,197
Divide	46	5,528	26	2,737	---	---	20	2,791
Dunn	56	5,344	32	2,337	2	250	22	2,757
Eddy	66	5,274	49	3,684	2	230	15	1,360
Emmons	102	8,769	67	4,394	---	---	35	4,375
Foster	49	3,416	34	2,139	---	---	15	1,277
Golden Valley	29	3,038	17	1,218	---	---	12	1,820
Grand Forks	413	39,545	190	13,525	10	1,462	213	24,558
Grant	69	7,150	35	2,930	1	48	33	4,172
Griggs	53	3,135	40	2,283	---	---	13	870
Hettinger	87	9,356	39	3,330	1	104	47	5,922
Kidder	63	6,127	42	3,749	1	189	20	2,189
La Moure	95	8,971	59	5,338	1	189	35	3,444
Logan	70	5,990	39	2,828	---	---	31	3,162
McHenry	111	10,425	63	4,999	1	48	47	5,378

TABLE 14.06--*Continued*

County	Total		Aged		Blind		Disabled	
	No. Rec.	Total Pmt.	No. Rec.	Total Pmt.	No. Rec.	Total Pmt.	No. Rec.	Total Pmt.
McIntosh	99	$ 8,280	70	$ 5,220	---	$ ---	29	$ 3,060
McKenzie	48	3,905	29	1,930	---	---	19	1,975
McLean	207	22,842	105	9,642	1	189	101	13,011
Mercer	131	11,970	82	5,385	1	101	48	6,484
Morton	254	26,274	141	11,737	2	165	111	14,372
Mountrail	122	9,530	55	3,375	1	66	66	6,089
Nelson	93	7,239	53	3,570	1	25	39	3,644
Oliver	16	1,837	7	513	1	189	8	1,135
Pembina	167	14,716	105	7,418	---	---	62	7,298
Pierce	72	4,859	47	2,667	---	---	25	2,192
Ramsey	176	15,378	93	5,983	1	83	82	9,312
Ransom	87	5,869	60	3,472	---	---	27	2,397
Renville	30	2,710	18	1,537	---	---	12	1,173
Richland	195	15,932	134	9,832	2	210	59	5,890
Rolette	375	47,295	180	18,565	5	834	190	27,896
Sargent	85	6,868	55	3,695	---	---	30	3,173
Sheridan	68	7,024	52	5,159	1	19	15	1,846
Sioux	74	8,173	38	3,743	2	240	34	4,190
Slope	14	1,286	6	320	1	189	7	777
Stark	230	22,197	102	7,263	---	---	128	14,934
Steele	20	1,634	12	798	3	306	5	530
Stutsman	413	44,102	188	12,927	4	494	221	30,681
Towner	40	3,524	31	2,245	---	---	9	1,279
Traill	81	6,535	59	4,231	---	---	22	2,304
Walsh	130	13,832	72	6,459	2	315	56	7,058
Ward	410	42,574	176	12,813	3	726	231	29,035
Wells	112	8,441	70	3,563	1	132	41	4,746
Williams	149	15,239	63	4,268	3	319	83	10,652

SOURCE: United States Social Security Administration; Grand Forks, North Dakota office.

TABLE 14.07

NORTH DAKOTA WELFARE PROGRAM, TOTAL EXPENDITURES AND SOURCES OF FUNDS, SELECTED FISCAL YEARS, 1955-1977

Year	Total Expenditures[1]	Source of Funds: Percentage Distribution		
		Federal	State	County
1955	$11,008,111	44.4%	37.8%	17.8%
1960	15,210,933	47.8	37.5	14.7
1965	20,007,898	55.8	32.1	12.1
1970	30,460,186	67.1	24.4	8.5
1971	35,644,960	68.0	24.3	7.7
1972	40,719,114	69.2	23.1	7.2
1973	41,949,608	70.3	22.5	8.5
1974	41,482,429	68.8	22.7	8.8
1975	48,336,889	68.6	22.6	13.9
1976[2]	58,553,918	62.3	28.8	8.9
1977	70,366,990	62.2	29.4	8.4

SOURCE: North Dakota Social Services Board, Statistics, (fiscal year review for various years).

[1] Adjusted for current and prior cancellations for all years and refunds and/or reimbursements and payments of reasonable for 1974 on.

[2] Vocational rehabilitation integrated into Social Service Board on July 1, 1975.

TABLE 14.09

AID TO FAMILIES WITH DEPENDENT CHILDREN: TOTAL PAYMENTS FOR MAINTENANCE BY NORTH DAKOTA COUNTY,[1] FISCAL YEARS, 1970-1978

County	1970	1971	1972	1973	1974
Adams	$ 11,730	$ 13,309	$ 24,229	$ 24,222	$ 17,525
Barnes	101,217	128,387	132,716	146,974	122,082
Benson	416,517	505,139	601,878	716,929	735,869
Billings	7,687	8,188	10,059	10,124	9,941
Bottineau	36,590	51,271	68,302	55,729	48,722
Bowman	6,928	18,207	29,320	20,396	20,501
Burke	23,059	30,671	45,172	50,152	47,937
Burleigh	227,403	413,933	494,460	588,184	675,848
Cass	507,415	763,696	980,909	1,041,922	1,059,023
Cavalier	80,077	79,141	101,425	121,175	132,107
Dickey	39,812	38,817	44,643	41,251	49,297
Divide	24,813	21,713	25,182	30,042	35,628
Dunn	78,848	85,258	108,495	117,135	116,113
Eddy	57,943	60,397	60,982	62,147	58,678
Emmons	15,679	12,505	17,581	28,356	37,992
Foster	35,542	52,628	52,434	45,944	41,792
Golden Valley	6,516	9,650	9,905	7,195	9,470
Grand Forks	543,375	730,073	772,790	725,858	681,032
Grant	14,867	20,044	24,154	30,522	33,883
Griggs	11,293	14,173	15,718	14,457	12,697
Hettinger	17,176	19,794	23,209	19,523	19,239
Kidder	26,284	31,340	40,610	46,534	55,218
La Moure	31,579	40,895	39,418	48,741	54,858
Logan	10,289	12,287	19,881	15,765	23,246
McHenry	79,494	106,377	116,590	120,669	116,018
McIntosh	11,543	16,642	17,946	18,835	20,743
McKenzie	91,738	96,996	116,999	126,932	149,813
McLean	140,477	176,418	201,887	227,990	227,417
Mercer	18,037	27,444	41,665	51,699	41,433
Morton	138,873	231,386	266,896	262,925	246,446
Mountrail	196,169	239,605	283,208	294,554	290,590
Nelson	42,711	56,659	81,212	83,506	70,123
Oliver	3,588	2,954	3,588	3,113	6,689
Pembina	153,866	212,197	248,982	259,367	250,142
Pierce	40,023	52,088	69,878	81,499	87,379
Ramsey	151,466	185,012	207,066	229,809	215,957
Ransom	24,144	58,534	76,619	74,436	66,089
Renville	19,732	32,234	40,088	35,084	30,833
Richland	115,274	118,863	141,842	115,777	121,319
Rolette	922,306	1,131,117	1,253,696	1,201,077	1,239,337

TABLE 14.09--*Continued*

County	1970	1971	1972	1973	1974
Sargent	$ 16,648	$ 14,142	$ 24,575	$ 23,905	$ 19,715
Sheridan	7,043	7,111	12,830	18,022	19,088
Sioux	136,966	169,446	194,650	193,347	190,025
Slope	441	7,288	4,938	2,241	1,845
Stark	79,434	128,116	142,699	166,451	168,509
Steele	12,024	11,338	15,301	13,479	9,702
Stutsman	216,287	321,488	319,424	321,856	314,931
Towner	44,150	59,170	71,531	77,295	83,904
Traill	35,153	31,323	50,135	42,642	42,054
Walsh	162,271	202,547	230,881	255,513	225,637
Ward	677,190	823,241	845,639	779,546	821,722
Wells	75,744	76,729	95,128	100,942	96,696
Williams	280,173	366,649	429,363	455,960	429,103
NORTH DAKOTA[2]	6,258,186	8,173,281	9,413,870	9,616,294	9,702,097

County	1975	1976	1977	1978
Adams	$ 17,682	$ 19,155	$ 20,191	$ 18,398
Barnes	106,665	140,181	165,964	198,523
Benson	757,179	806,478	866,588	803,046
Billings	10,698	10,315	5,153	5,257
Bottineau	42,873	79,451	103,381	115,156
Bowman	19,992	27,769	44,383	44,256
Burke	50,075	56,569	64,326	66,788
Burleigh	795,060	966,921	1,053,193	1,002,731
Cass	1,129,051	1,289,273	1,424,801	1,501,107
Cavalier	134,672	139,773	135,732	115,569
Dickey	68,643	82,351	95,637	91,385
Divide	24,512	21,249	20,179	43,101
Dunn	133,745	150,561	143,576	129,094
Eddy	56,404	82,936	94,062	87,166
Emmons	41,020	45,306	46,835	44,575
Foster	45,043	67,181	75,026	71,449
Golden Valley	8,185	24,072	21,768	14,845
Grand Forks	662,668	818,797	855,101	801,649
Grant	35,362	34,610	43,769	44,914
Griggs	21,270	31,074	49,090	45,076
Hettinger	16,579	25,443	34,408	48,885
Kidder	67,069	66,016	74,692	73,587
La Moure	57,639	57,028	61,095	51,563
Logan	26,575	30,024	23,807	17,124
McHenry	123,401	143,533	156,444	171,758

TABLE 14.09--*Continued*

County	1975	1976	1977	1978
McIntosh	$ 27,923	$ 29,968	$ 41,532	$ 49,374
McKenzie	182,924	200,532	201,072	219,455
McLean	244,120	286,751	303,646	321,845
Mercer	37,030	65,832	95,362	88,574
Morton	283,788	344,844	382,819	385,760
Mountrail	302,285	334,225	341,744	332,236
Nelson	66,567	49,829	37,977	36,462
Oliver	7,427	9,596	17,041	27,654
Pembina	219,169	255,505	295,971	289,647
Pierce	91,067	101,211	102,177	91,562
Ramsey	193,841	195,926	232,290	216,144
Ransom	75,413	87,989	97,172	96,061
Renville	31,962	37,524	34,543	27,063
Richland	146,007	193,663	219,097	233,047
Rolette	1,536,554	1,807,940	2,129,280	2,359,353
Sargent	27,373	35,666	50,221	58,442
Sheridan	30,308	37,027	43,069	59,983
Sioux	231,032	295,310	327,128	350,935
Slope	1,527	1,774	1,298	4,855
Stark	190,207	223,986	209,197	171,687
Steele	9,145	20,939	25,506	35,459
Stutsman	345,746	423,142	498,496	462,576
Towner	79,380	82,614	80,634	84,028
Traill	40,892	59,325	72,191	88,439
Walsh	222,989	264,315	271,375	246,203
Ward	911,304	1,103,189	1,241,686	1,247,003
Wells	75,576	86,636	82,692	76,589
Williams	432,261	165,132	425,305	[illegible]4,047
NORTH DAKOTA[2]	10,492,879	2,328,966	13,539,722	[illegible]1,484

SOURCE: Social Services Board of North Dakota, Statistics, (fiscal year reviews for various years).

[1] Adjusted for supplements, cancellations (current and prior), and refunds. Does not include prior cancellations before 1973, supplements before 1972, or refunds before 1974.

[2] Totals include adjustments not allocated to individual counties for years prior to 1975.

TABLE 14.08

NORTH DAKOTA WELFARE COSTS BY PROGRAM, FISCAL YEARS, 1970-1977

Program	1970	1971	1972	1973	1974
Aid to Families with Dependent Children[1]	$ 6,227,521	$ 8,139,101	$ 9,342,149	$ 9,616,294	$ 9,702,097
Medical Assistance under Title XIX[1]	11,396,457	13,068,445	15,544,349	15,497,970	16,707,547
Foster Care Payments[1]	877,649	885,433	898,421	984,807	1,044,349
Crippled Children's Services[1]	369,337	599,232	426,132	402,802	488,940
Supplementary Security Income	----------	----------	----------	----------	179,257
General Assistance[2]	337,842	368,542	365,114	280,598	261,264
Refugee Assistance	----------	----------	----------	----------	----------
Aid to Aged, Blind and Disabled[1, 3]	6,128,148	6,866,588	7,197,255	6,940,334	3,506,945
Direct Vocational Rehabilitation Services	----------	----------	----------	----------	----------
Administration, Provision and Training Expense					
Social Service Board of North Dakota[4]	1,976,839	2,255,046	2,742,184	3,377,787	4,120,736
County Social Service Boards[5]	3,142,303	3,453,390	4,057,205	4,443,003	4,578,016
Other Expenses[6]	4,090	128,938	146,325	406,013	893,278
Total Expenditures[7]	30,460,186	35,644,960	40,719,114	41,949,608	41,482,429

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[1] Adjusted for current and prior cancellations for all years shown in table, supplemental payments for years prior to 1971, and refunds/reimbursements and reasonable costs for 1974-1977.

[2] Includes sponsorship expense and temporary care of transients prior to 1976 and temporary care of transients only thereafter.

[3] Recipients converted from AABD to SSI as of 1/1/74. Payments shown for 1974-1975 are supplemental payments, refunds, and cancellations.

[4] Vocational Rehabilitation was integrated into Social Services Board 7/1/75.

TABLE 14.08--*Continued*

Program	1975	1976	1977
Aid to Families with Dependent Children[1]	$10,492,879	$12,328,966	$13,539,722
Medical Assistance under Title XIX[1]	23,972,013	25,318,133	33,526,127
Foster Care Payments[1]	1,139,525	1,250,990	1,271,656
Crippled Children's Services[1]	524,526	526,006	582,849
Supplementary Security Income	334,081	397,635	393,620
General Assistance[2]	240,388	168,938	179,491
Refugee Assistance	----------	105,022	136,842
Aid to Aged, Blind and Disabled[1, 3]	----------	----------	----------
Direct Vocational Rehabilitation Services	(3,078)	1,508,349	2,010,978
Administration, Provision and Training Expense			
Social Service Board of North Dakota[4]	5,073,619	9,150,097	10,078,124
County Social Service Boards[5]	5,377,303	6,396,555	7,169,519
Other Expenses[6]	1,185,633	1,403,227	1,478,062
Total Expenditures[7]	48,336,889	58,553,918	70,366,990

SOURCE: Social Service Board of North Dakota, Statistics, (fiscal year review for various years).

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[5] Includes value of space in lieu of rent.

[6] Includes older Americans' Act Grants and Remedial Blind Care for all years shown, Devils Lake Mental Retardation Project and Statewide Model Projects for 1973-1975, and other various expenses for 1972-1977. Some "other expenses" not reported prior to 1972.

[7] Totals prior to 1972 do not include all expenses. See note 6 above.

TABLE 14.10

AID TO FAMILIES WITH DEPENDENT CHILDREN: AVERAGE NUMBER OF FAMILIES RECEIVING PAYMENTS BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1970-1978

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
NORTH DAKOTA	2,675	3,203	3,832	4,090	4,132	4,246	4,361	4,564	4,688
Adams	5	7	13	14	11	11	10	10	9
Barnes	38	45	49	59	52	43	47	51	63
Benson	179	2[illegible]1	235	276	282	281	273	283	271
Billings	3	3	3	2	5	4	3	1	2
Bottineau	19	23	32	27	27	21	30	37	37
Bowman	4	8	10	8	8	10	11	13	14
Burke	9	12	18	21	18	19	19	19	22
Burleigh	103	169	217	261	291	324	346	366	362
Cass	199	280	396	435	457	483	483	497	528
Cavalier	37	32	43	47	53	58	52	43	38
Dickey	22	17	22	18	21	26	29	34	32
Divide	9	8	10	12	14	12	10	9	16
Dunn	39	39	43	50	47	49	51	50	46
Eddy	23	23	22	22	22	21	26	28	28
Emmons	7	5	6	11	18	18	20	20	17
Foster	15	20	20	20	18	21	5	25	25
Golden Valley	4	5	6	4	7	4	8	6	5
Grand Forks	210	265	309	314	297	281	298	290	273
Grant	7	9	11	13	14	16	14	17	16
Griggs	6	8	9	10	8	11	11	15	15
Hettinger	6	7	8	8	7	6	8	12	16
Kidder	16	18	22	23	25	27	26	27	27
La Moure	15	18	17	21	21	23	20	19	19
Logan	8	8	8	9	12	13	11	8	8
McHenry	33	40	52	54	51	54	52	55	67

TABLE 14.10--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
McIntosh	8	8	11	10	10	12	13	16	15
McKenzie	41	40	47	55	64	72	68	67	76
McLean	67	77	91	105	103	102	104	105	113
Mercer	7	12	16	19	17	15	20	28	29
Morton	60	94	110	113	108	119	126	134	136
Mountrail	80	99	110	116	115	113	112	111	110
Nelson	20	27	35	38	33	26	20	16	15
Oliver	2	1	2	2	4	4	5	6	10
Pembina	68	83	97	103	101	84	86	94	96
Pierce	15	17	23	29	37	38	37	36	33
Ramsey	61	71	90	101	92	85	75	81	79
Ransom	13	22	27	29	28	29	32	32	32
Renville	8	13	16	16	16	14	14	12	9
Richland	47	53	64	59	56	61	71	78	82
Rolette	361	400	461	467	474	540	565	646	721
Sargent	12	11	15	13	11	15	14	18	21
Sheridan	5	3	5	7	9	13	13	17	23
Sioux	77	84	88	84	80	87	96	106	115
Slope	1	4	2	1	1	1	1	1	2
Stark	34	47	52	68	74	77	82	74	63
Steele	8	6	6	5	5	5	8	10	11
Stutsman	107	133	149	156	151	154	159	179	172
Towner	19	23	28	32	34	33	31	31	31
Traill	13	10	21	23	21	20	23	25	29
Walsh	66	72	87	100	97	94	100	101	93
Ward	301	337	369	358	365	375	389	413	422
Wells	30	30	38	45	42	84	33	32	27
Williams	116	142	174	194	198	188	181	160	167

SOURCE: Social Service Board of North Dakota, Statistics (fiscal year review for various years).

TABLE 14.13

MEDICAL ASSISTANCE UNDER TITLE XIX:[1] TOTAL MEDICAL PAYMENTS BY NORTH DAKOTA COUNTY,[2] FISCAL YEARS, 1970-1978

County	1970	1971	1972	1973	1974
Adams	$ 42,025	$ 41,906	$ 63,250	$ 72,511	$ 123,232
Barnes	339,743	397,895	437,408	356,406	392,879
Benson	377,226	455,495	544,611	614,195	611,150
Billings	13,195	17,357	11,809	12,423	24,681
Bottineau	186,451	183,878	255,868	227,666	256,446
Bowman	83,103	87,876	107,075	97,858	88,124
Burke	96,460	95,179	116,832	101,126	130,879
Burleigh	518,424	601,276	701,153	653,237	820,501
Cass	958,963	1,096,485	1,587,447	1,495,864	1,671,103
Cavalier	133,117	157,224	192,378	191,350	229,334
Dickey	214,081	240,981	226,824	192,533	257,478
Divide	58,008	47,475	41,244	48,725	95,438
Dunn	96,668	128,229	165,781	144,837	182,877
Eddy	147,008	154,205	158,472	135,924	161,480
Emmons	150,452	144,984	159,463	122,442	181,266
Foster	125,256	120,133	179,959	171,362	178,668
Golden Valley	35,489	35,979	45,824	26,424	43,034
Grand Forks	809,756	898,151	1,164,018	1,085,043	1,154,776
Grant	100,045	97,765	127,420	130,787	127,286
Griggs	88,671	97,023	107,297	79,149	117,052
Hettinger	50,481	44,667	61,753	72,687	52,771
Kidder	108,191	127,548	148,632	152,922	197,043
La Moure	124,698	127,543	135,576	149,130	153,975
Logan	87,958	89,671	133,136	129,239	154,655
McHenry	197,410	257,206	257,886	254,367	349,092
McIntosh	136,887	184,347	221,081	193,018	211,089
McKenzie	153,014	179,749	208,079	203,530	260,933
McLean	380,707	395,627	442,831	389,122	480,043
Mercer	148,900	162,645	174,573	136,209	202,057
Morton	409,835	530,540	529,799	490,642	564,386
Mountrail	275,355	318,382	357,222	324,085	333,818
Nelson	211,585	218,736	256,046	253,641	235,044
Oliver	33,215	33,353	33,965	38,410	33,626
Pembina	253,567	252,320	290,909	253,027	338,852
Pierce	102,685	128,289	125,171	[illegible],972	170,717
Ramsey	240,645	274,536	316,278	335,987	385,195
Ransom	132,041	155,195	179,873	170,277	220,914
Renville	45,009	47,501	55,317	72,146	101,429
Richland	357,783	410,714	499,762	446,056	497;464
Rolette	378,727	534,252	765,793	709,309	776,368

TABLE 14.13--*Continued*

County	1970	1971	1972	1973	1974
Sargent	$ 93,720	$ 130,259	$ 179,606	$ 145,157	$ 179,691
Sheridan	93,855	78,103	97,517	80,376	90,161
Sioux	45,931	83,256	80,616	65,280	91,653
Slope	14,819	15,783	20,707	20,712	25,747
Stark	196,469	249,091	313,954	316,657	398,930
Steele	72,563	90,209	84,581	73,290	107,740
Stutsman	480,032	518,145	576,681	577,251	640,678
Towner	121,221	158,367	162,098	145,289	173,229
Traill	211,395	189,035	233,702	196,950	291,765
Walsh	306,055	345,729	335,537	339,837	376,708
Ward	824,337	875,198	1,111,524	1,020,698	1,145,485
Wells	204,344	218,883	250,767	201,024	227,470
Williams	365,077	495,719	605,520	595,471	611,020
NORTH DAKOTA[3]	11,462,539	13,059,273	15,737,140	14,694,134	16,707,547

County	1975	1976	1977	1978
Adams	$ 179,431	$ 213,334	$ 274,578	$ 266,187
Barnes	489,462	543,000	643,594	763,523
Benson	895,408	852,921	1,110,863	1,103,191
Billings	30,177	31,925	26,707	29,342
Bottineau	337,850	419,879	478,357	443,212
Bowman	134,187	143,402	172,839	188,763
Burke	169,076	160,436	235,660	201,990
Burleigh	1,172,457	1,245,308	1,849,907	2,115,506
Cass	2,439,421	2,490,600	3,403,885	3,847,400
Cavalier	326,447	392,505	454,704	532,774
Dickey	464,703	467,803	616,008	752,381
Divide	147,154	188,633	207,009	211,652
Dunn	236,454	268,262	385,221	407,320
Eddy	220,791	220,994	284,464	292,896
Emmons	280,872	267,490	367,389	377,223
Foster	286,242	282,184	287,908	306,119
Golden Valley	49,299	55,365	66,379	77,860
Grand Forks	1,345,158	1,405,698	1,853,073	1,938,025
Grant	173,793	263,186	299,330	364,635
Griggs	191,384	217,364	228,564	266,619
Hettinger	106,532	273,305	245,656	242,066
Kidder	247,821	307,486	271,392	221,651
La Moure	236,061	220,388	271,125	301,065
Logan	196,960	211,524	249,687	298,782
McHenry	484,474	581,716	738,933	717,959

TABLE 14.13--*Continued*

County	1975	1976	1977	1978
McIntosh	$ 281,876	$ 313,373	$ 340,416	$ 378,700
McKenzie	398,598	361,334	475,723	407,714
McLean	695,015	692,222	928,855	954,723
Mercer	220,350	236,559	364,108	397,519
Morton	833,759	978,528	1,285,974	1,427,718
Mountrail	466,423	409,765	554,340	641,774
Nelson	321,555	315,556	368,298	387,129
Oliver	57,007	67,333	82,904	75,743
Pembina	424,768	394,933	522,082	586,215
Pierce	301,137	357,251	420,147	451,728
Ramsey	515,648	462,887	682,428	731,353
Ransom	322,867	272,741	394,409	447,779
Renville	119,485	95,875	100,910	116,408
Richland	667,027	703,966	899,117	937,123
Rolette	1,393,826	1,533,151	2,253,986	2,359,385
Sargent	325,294	296,439	372,889	432,384
Sheridan	142,450	171,362	213,597	276,584
Sioux	109,605	99,241	139,811	182,085
Slope	45,248	58,677	71,688	77,743
Stark	676,770	752,537	1,032,608	1,105,493
Steele	145,565	146,622	167,760	263,660
Stutsman	904,891	941,999	1,228,639	1,331,498
Towner	188,973	224,975	278,950	296,041
Traill	393,713	432,656	572,689	600,088
Walsh	501,010	595,808	816,242	884,909
Ward	1,458,667	1,646,943	2,374,830	2,248,880
Wells	355,428	409,618	528,900	517,319
Williams	805,728	810,610	1,006,995	1,065,823
NORTH DAKOTA[3]	23,972,013	25,318,133	33,526,127	35,950,495

SOURCE: Social Services Board of North Dakota, Statistics, (fiscal year reviews for various years).

[1] Medical assistance under Title XIX provides needed medical services for children and caretakers receiving Aid to Families with Dependent Children (AFDC) or Supplemental Security Income (SSI).

[2] Adjusted for supplements, cancellations, refunds, etc. Does not include Remedial Blind.

[3] State totals include payments not allocated on per county basis (e.g. early periodic screening and reasonable cost adjustments). See source.

TABLE 14.11

AID TO FAMILIES WITH DEPENDENT CHILDREN: AVERAGE MONTHLY PAYMENT PER FAMILY BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1970-1978

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
NORTH DAKOTA	$194.97	$212.63	$204.69	$195.92	$195.68	$205.93	$235.57	$247.21	$243.74
Adams	189.19	160.35	157.33	145.04	128.86	131.96	154.48	168.26	173.57
Barnes	220.52	237.75	227.25	207.59	195.02	207.52	250.32	270.74	264.70
Benson	193.55	209.17	213.58	216.79	217.52	224.15	245.95	255.03	246.64
Billings	247.97	233.94	295.85	337.47	187.57	205.73	257.88	343.53	187.75
Bottineau	157.04	184.43	180.22	172.00	150.38	166.82	221.93	233.89	258.78
Bowman	130.72	191.65	244.33	216.98	213.55	173.84	211.98	288.20	266.60
Burke	207.74	207.24	203.48	203.04	216.91	221.57	248.11	274.90	249.21
Burleigh	184.73	204.51	190.10	187.56	193.65	204.65	232.88	239.74	231.10
Cass	212.04	227.02	206.33	199.49	193.29	194.86	222.60	238.98	236.88
Cavalier	182.41	206.10	198.10	216.00	206.10	193.49	225.08	263.56	256.25
Dickey	150.80	193.12	170.39	194.58	200.39	222.15	236.64	237.31	239.85
Divide	236.31	238.60	218.97	204.37	205.94	171.41	184.77	194.03	218.78
Dunn	167.40	180.63	210.26	193.93	207.34	225.92	248.04	238.50	236.00
Eddy	210.70	222.05	229.26	237.20	224.82	227.44	261.63	279.95	258.65
Emmons	195.99	231.57	244.18	206.98	175.89	183.95	190.36	195.96	222.88
Foster	201.94	220.20	217.57	191.43	189.96	175.26	223.19	247.61	239.76
Golden Valley	151.53	155.65	139.51	133.24	119.87	186.02	261.65	290.24	251.61
Grand Forks	215.45	229.65	208.52	192.33	191.25	196.23	229.29	245.86	244.55
Grant	165.19	190.90	187.24	195.65	204.11	182.28	209.76	215.61	233.93
Griggs	152.61	144.62	142.89	124.63	138.01	161.14	226.82	271.22	259.06
Hettinger	220.20	227.52	249.56	203.36	218.62	227.11	265.03	244.03	261.42
Kidder	134.10	143.76	156.19	172.35	184.06	194.74	210.91	227.72	224.43
La Moure	177.41	186.74	188.60	197.33	216.83	205.85	237.62	269.14	231.22
Logan	109.46	136.52	194.91	148.73	156.01	173.69	229.19	242.93	186.13
McHenry	202.79	221.62	184.77	185.64	189.26	189.85	231.88	237.76	213.63

TABLE 14.11--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
McIntosh	$125.47	$164.77	$141.31	$163.78	$180.37	$200.88	$199.79	$222.10	$268.34
McKenzie	187.60	201.24	208.55	194.09	194.82	212.46	244.55	250.40	241.96
McLean	174.07	191.76	185.22	180.80	183.70	200.26	229.22	240.80	236.48
Mercer	202.66	187.97	220.45	227.75	208.21	209.21	268.70	280.48	251.63
Morton	191.81	204.40	201.89	193.19	189.72	199.01	228.83	238.07	236.95
Mountrail	205.20	201.35	214.07	211.30	211.49	223.25	247.76	256.76	251.69
Nelson	180.22	177.06	193.82	184.34	176.19	212.67	206.76	192.78	209.55
Oliver	149.50	184.63	170.86	172.94	155.56	145.63	177.70	240.01	228.55
Pembina	189.26	213.05	213.35	209.00	206.56	215.14	246.86	261.00	252.75
Pierce	230.02	252.85	253.18	236.23	195.48	199.71	227.44	234.35	231.80
Ramsey	206.08	217.92	191.02	188.99	195.61	190.98	217.45	239.72	227.04
Ransom	153.78	219.23	234.31	215.13	199.06	216.70	226.19	255.04	248.86
Renville	201.35	212.07	202.46	178.09	159.76	189.12	226.05	234.99	257.74
Richland	205.11	188.67	183.26	163.76	179.73	199.46	226.24	233.58	237.31
Rolette	213.10	235.85	226.83	214.32	218.00	237.23	266.62	274.78	272.85
Sargent	114.81	102.48	135.77	148.48	146.04	152.92	204.98	233.59	229.18
Sheridan	128.05	192.19	197.38	209.56	175.12	194.28	234.35	210.09	221.34
Sioux	148.55	167.11	184.50	192.96	197.53	221.51	255.46	258.19	253.75
Slope	33.92	161.96	170.28	131.82	141.92	218.14	253.43	118.00	231.19
Stark	194.22	225.56	229.79	203.49	189.55	204.74	226.71	236.11	225.90
Steele	119.05	155.32	206.77	207.37	161.70	149.92	225.15	219.88	281.42
Stutsman	168.45	202.07	178.55	172.48	174.09	187.40	222.24	231.86	223.57
Towner	192.79	213.61	210.39	200.77	203.65	200.45	247.63	219.71	227.10
Traill	231.27	248.60	194.32	152.84	166.88	171.10	217.31	238.25	255.60
Walsh	204.37	235.79	221.36	212.93	193.51	197.86	220.08	223.35	221.01
Ward	187.43	203.47	190.89	181.67	187.44	202.47	236.43	250.34	245.96
Wells	211.58	216.14	210.00	186.93	190.72	187.07	216.59	217.61	233.50
Williams	200.55	214.54	205.83	195.69	180.67	191.27	213.66	221.40	217.24

SOURCE: Social Services Board of North Dakota, Statistics (fiscal year review for various years).

TABLE 14.12

AID TO FAMILIES WITH DEPENDENT CHILDREN: AVERAGE NUMBER OF INDIVIDUALS RECEIVING PAYMENTS BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1970-1978

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
NORTH DAKOTA	10,298	11,753	13,555	13,669	13,233	13,173	13,290	13,363	13,391
Adams	18	21	34	35	28	21	20	22	22
Barnes	157	174	186	205	177	146	154	162	193
Benson	737	775	880	996	966	917	867	896	846
Billings	17	18	16	12	16	16	12	7	7
Bottineau	72	86	102	86	77	59	89	103	65
Bowman	9	22	36	28	25	27	32	44	45
Burke	48	54	64	68	68	67	64	65	68
Burleigh	373	553	677	765	835	911	994	1,024	964
Cass	801	1,035	1,336	1,430	1,416	1,404	1,358	1,347	1,418
Cavalier	138	127	162	175	177	174	153	134	118
Dickey	66	58	72	68	75	90	91	96	94
Divide	34	33	38	46	53	32	29	25	41
Dunn	162	150	164	182	170	174	168	150	144
Eddy	83	80	84	86	78	72	90	91	90
Emmons	27	20	25	39	50	49	57	53	49
Foster	51	77	76	72	62	74	86	86	78
Golden Valley	15	20	21	17	23	16	28	25	20
Grand Forks	836	1,014	1,114	1,052	980	884	910	862	786
Grant	27	32	34	37	41	40	36	46	40
Griggs	17	20	23	21	18	29	32	43	47
Hettinger	32	30	32	32	30	24	27	35	45
Kidder	60	61	68	66	68	80	71	77	82
La Moure	59	65	58	69	70	71	62	60	50
Logan	20	23	30	27	36	38	34	26	18
McHenry	123	139	169	175	164	164	159	163	181

TABLE 14.12--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
McIntosh	28	31	38	34	29	35	37	48	52
McKenzie	147	143	159	174	187	219	208	187	213
McLean	244	287	317	354	329	311	308	305	328
Mercer	26	42	56	72	57	50	68	89	92
Morton	225	336	373	363	326	356	365	348	358
Mountrail	340	390	422	417	390	378	368	351	343
Nelson	65	87	119	127	107	101	75	54	50
Oliver	5	3	3	3	7	9	10	14	24
Pembina	258	303	357	365	334	275	272	290	279
Pierce	65	72	94	118	132	121	119	111	103
Ramsey	245	270	319	366	313	270	227	244	223
Ransom	51	87	110	100	92	93	92	95	93
Renville	34	48	58	56	53	48	49	44	34
Richland	203	195	219	180	184	188	214	224	244
Rolette	1,512	1,584	1,711	1,653	1,601	1,791	1,839	2,000	2,193
Sargent	32	25	35	32	27	35	34	46	55
Sheridan	17	12	21	26	29	42	44	48	62
Sioux	268	283	270	258	241	273	311	322	333
Slope	2	10	5	2	3	3	2	2	5
Stark	130	168	191	228	245	254	247	215	184
Steele	23	20	22	21	17	16	24	24	29
Stutsman	368	451	477	482	454	465	457	491	472
Towner	64	82	98	103	114	106	99	89	87
Traill	69	54	93	83	71	68	79	77	82
Walsh	244	270	307	329	308	280	307	282	256
Ward	1,086	1,173	1,238	1,158	1,147	1,147	1,181	1,183	1,163
Wells	125	111	134	142	134	100	100	87	77
Williams	416	499	574	628	599	560	531	451	446

SOURCE: Social Service Board of North Dakota, Statistics, (fiscal year review for various years).

TABLE 14.14

MEDICAL ASSISTANCE UNDER TITLE XIX: AVERAGE DIRECT MEDICAL PAYMENT PER RECIPIENT BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1970-1978

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
ND Average	$112.58	$119.23	$126.04	$115.64	$135.04	$176.48	$196.12	$216.72	$228.39
Adams	72.08	65.22	99.41	108.39	173.64	238.70	289.20	329.63	325.28
Barnes	121.72	139.30	142.43	117.12	147.62	179.47	220.11	220.25	239.48
Benson	113.58	125.07	129.53	134.87	132.32	175.97	189.47	212.83	218.77
Billings	106.27	119.66	85.45	75.75	149.81	190.07	243.60	246.20	309.04
Bottineau	162.49	159.39	169.83	168.14	189.21	227.14	267.23	255.12	234.29
Bowman	206.81	195.73	215.76	187.47	208.61	318.90	289.04	287.00	292.12
Burke	107.62	100.60	113.98	102.46	143.01	189.20	196.14	267.85	206.93
Burleigh	115.41	118.11	112.20	98.51	121.30	144.50	152.92	171.18	189.73
Cass	114.90	122.39	139.04	119.38	135.01	176.39	186.93	216.65	235.16
Cavalier	84.20	106.19	102.82	94.54	119.12	141.58	199.37	213.17	247.36
Dickey	111.06	124.94	125.23	120.94	160.89	223.86	225.75	249.08	303.03
Divide	94.46	91.96	72.55	85.33	152.57	223.81	312.78	310.56	267.32
Dunn	85.54	112.18	138.54	121.41	160.50	169.57	218.88	266.45	269.28
Eddy	136.51	141.75	134.70	125.16	156.03	200.63	220.69	235.51	240.23
Emmons	161.28	156.70	157.73	123.80	170.35	228.28	225.08	257.29	262.38
Foster	167.89	130.98	164.13	153.22	181.31	266.82	262.02	255.13	264.81
Golden Valley	102.96	93.01	123.40	75.71	110.69	128.54	143.86	152.71	163.21
Grand Forks	109.87	111.84	130.10	120.28	135.34	161.58	177.94	197.42	208.86
Grant	121.53	112.77	132.66	118.79	119.43	172.50	298.54	261.12	320.34
Griggs	161.85	168.41	165.73	117.96	185.45	265.07	300.92	295.16	330.39
Hettinger	113.69	84.07	123.12	129.80	100.75	188.76	354.09	285.80	253.80
Kidder	92.27	113.95	119.16	122.53	166.67	184.06	290.41	220.46	167.29
La Moure	90.05	92.87	108.27	119.50	119.80	174.78	181.64	187.57	217.08
Logan	114.74	114.28	144.09	141.55	170.26	202.37	223.37	250.27	289.59
McHenry	108.94	132.96	122.66	131.80	173.30	220.01	266.80	292.09	274.71

TABLE 14.15

FOOD STAMP PROGRAM: NORTH DAKOTA HOUSEHOLDS AND PERSONS RECEIVING BY COUNTY, FISCAL YEARS, 1976-1978

County	Households Receiving (Monthly Average)			Persons Receiving (Monthly Average)		
	1976	1977	1978	1976	1977	1978
NORTH DAKOTA	5,406	5,080	5,017	16,755	15,420	15,038
Adams	18	17	12	32	29	19
Barnes	94	96	94	247	247	249
Benson	104	99	96	377	348	336
Billings*	16	16	1	50	48	3
Bottineau	97	93	87	302	291	286
Bowman**	17	20	2	42	50	4
Burke	36	32	27	99	81	73
Burleigh	428	388	360	1,335	1,217	1,071
Cass	494	458	463	1,414	1,239	1,224
Cavalier	70	63	65	208	184	197
Dickey	114	101	105	331	303	338
Divide	12	11	17	19	21	39
Dunn	33	34	26	104	108	75
Eddy	55	43	40	160	114	105
Emmons	109	94	99	467	396	412
Foster	44	52	42	150	174	142
Golden Valley	See Billings		15	See Billings		43
Grand Forks	400	372	394	1,270	1,122	1,165
Grant	76	69	66	263	240	212
Griggs	32	37	35	80	98	98
Hettinger	44	44	45	140	134	135
Kidder	47	41	43	155	123	131
La Moure	77	78	73	208	203	188
Logan	53	46	43	219	184	169
McHenry	111	114	126	353	373	385
McIntosh	87	80	70	248	237	197
McKenzie	40	40	48	115	147	182
McLean	98	85	87	295	235	229
Mercer	56	47	48	166	154	158
Morton	262	225	210	854	724	633

TABLE 14.15--*Continued*

County	Households Receiving (Monthly Average)			Persons Receiving (Monthly Average)		
	1976	1977	1978	1976	1977	1978
Mountrail	42	42	40	125	111	105
Nelson	28	26	25	66	60	62
Oliver	12	9	9	41	29	30
Pembina	102	103	120	312	320	366
Pierce	61	52	58	233	196	230
Ramsey	109	106	92	304	277	237
Ransom	78	81	71	208	206	178
Renville	110	10	11	30	27	26
Richland	177	159	155	525	464	472
Rolette	143	143	160	640	603	661
Sargent	65	65	54	170	187	145
Sheridan	47	44	41	171	152	131
Sioux	19	21	21	66	72	71
Slope	See Bowman		19	See Bowman		51
Stark	159	147	131	551	451	377
Steele	16	15	17	40	35	42
Stutsman	317	310	298	835	768	723
Towner	47	38	42	175	139	133
Traill	83	80	69	276	269	238
Walsh	92	99	103	321	388	409
Ward	399	402	411	1,163	1,181	1,215
Wells	64	59	61	193	162	145
Williams	212	174	170	607	499	493

SOURCE: Social Service Board of North Dakota, Statistics, (fiscal year review for 1976, 1977 and 1978).

* Also includes data for Golden Valley County prior to 1978.

** Also includes data for Slope County prior to 1978.

TABLE 14.14--*Continued*

County	1970	1971	1972	1973	1974	1975	1976	1977	1978
McIntosh	$114.14	$146.58	$189.63	$177.57	$194.40	$242.42	$264.72	$252.28	$273.85
McKenzie	104.89	119.64	129.34	123.58	161.97	195.93	198.70	246.82	213.04
McLean	129.36	130.76	137.86	115.54	148.87	192.62	201.13	217.55	246.45
Mercer	121.47	129.93	130.61	101.05	163.14	180.69	206.34	221.07	232.35
Morton	137.93	153.26	134.42	121.03	140.68	187.60	220.80	230.17	242.75
Mountrail	99.68	111.04	111.00	111.48	124.83	165.56	142.53	175.68	207.95
Nelson	152.58	152.24	154.58	141.78	161.14	202.98	230.51	258.34	294.95
Oliver	123.89	154.59	143.53	150.63	123.69	211.29	252.36	256.48	209.99
Pembina	80.90	76.13	82.57	77.62	107.04	131.46	134.28	144.72	169.07
Pierce	103.62	114.60	105.17	133.89	133.70	201.00	238.59	245.23	266.51
Ramsey	105.79	118.36	121.11	117.31	128.27	166.59	170.88	223.61	234.76
Ransom	131.93	136.67	135.27	131.49	167.74	239.58	231.01	251.29	252.65
Renville	101.36	95.29	97.44	125.47	178.75	210.60	180.27	161.34	197.39
Richland	100.51	116.67	137.80	126.29	149.48	190.37	215.80	227.28	236.46
Rolette	99.78	93.80	98.08	89.44	99.19	137.69	155.50	181.60	171.77
Sargent	89.08	121.97	164.84	123.96	154.46	242.81	232.32	244.03	261.25
Sheridan	131.93	128.12	155.01	135.31	151.94	212.50	274.16	255.71	271.79
Sioux	88.66	151.07	128.05	122.25	197.18	218.62	165.18	174.88	226.14
Slope	155.68	115.81	139.45	127.85	161.47	272.23	342.33	380.36	476.60
Stark	120.22	126.99	139.37	128.83	147.34	213.73	233.55	276.98	289.96
Steele	131.60	153.86	141.79	126.80	175.38	247.65	285.42	301.04	438.10
Stutsman	107.01	104.28	106.79	104.25	119.41	159.45	178.94	197.62	204.43
Towner	125.45	147.18	132.72	110.07	124.61	134.51	174.08	210.16	220.84
Traill	125.34	117.38	125.67	111.65	170.09	212.48	225.06	260.12	272.01
Walsh	110.75	124.30	126.94	112.72	121.74	158.66	196.54	228.80	254.46
Ward	106.22	110.05	119.97	112.16	135.40	157.62	184.46	202.23	202.86
Wells	136.96	139.05	142.68	116.27	138.23	205.76	244.54	286.33	295.37
Williams	96.70	112.21	114.29	103.54	114.69	142.21	169.34	190.39	205.63

SOURCE: Social Service Board of North Dakota, Statistics, (fiscal year review for various years).

TABLE 14.16

FOOD STAMP PROGRAM: VALUE OF FOOD STAMPS ISSUED BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1976-1978

County	Value of Stamps Issued***		
	1976	1977	1978
NORTH DAKOTA	$7,674,066	$7,215,764	$7,402,403
Adams	15,255	14,512	9,830
Barnes	119,926	122,241	126,580
Benson	165,558	154,300	157,693
Billings*	23,893	22,916	1,522
Bottineau	139,035	137,033	140,481
Bowman**	19,637	23,770	2,162
Burke	45,286	37,752	333,256
Burleigh	590,220	545,698	519,422
Cass	671,289	602,039	624,459
Cavalier	97,050	88,760	99,631
Dickey	158,427	145,300	167,649
Divide	9,697	10,694	20,683
Dunn	48,816	51,550	37,619
Eddy	74,860	53,833	52,437
Emmons	211,893	187,026	198,598
Foster	70,469	81,713	68,608
Golden Valley	See Billings		21,692
Grand Forks	588,840	521,031	557,457
Grant	123,977	116,201	105,556
Griggs	39,474	49,204	49,815
Hettinger	65,601	66,326	69,482
Kidder	73,147	59,834	65,229
La Moure	97,152	98,066	92,168
Logan	100,974	86,575	82,913
McHenry	166,377	178,934	193,283
McIntosh	$ 118,190	$ 113,457	$ 100,616
McKenzie	52,040	65,759	83,888
McLean	129,861	108,613	110,788
Mercer	76,156	69,978	73,822
Morton	394,562	339,826	312,859
Mountrail	57,420	52,342	52,080
Nelson	31,962	29,086	30,281
Oliver	18,956	13,337	14,284
Pembina	141,392	147,335	171,657
Pierce	100,595	91,074	103,841
Ramsey	141,762	129,690	112,389
Ransom	100,421	102,307	92,995
Renville	13,825	13,738	13,612
Richland	242,888	215,361	229,749
Rolette	270,010	264,332	312,092
Sargent	80,900	89,628	72,090
Sheridan	80,717	73,151	66,102
Sioux	29,994	32,841	33,951
Slope	See Bowman		26,306
Stark	239,150	206,270	183,676
Steele	18,766	16,812	19,949
Stutsman	395,844	373,695	369,526
Towner	79,340	65,732	65,449
Traill	106,780	118,332	113,684
Walsh	146,790	173,320	190,783
Ward	523,826	541,940	633,940
Wells	85,918	76,033	72,873
Williams	279,148	236,467	240,896

SOURCE: Social Service Board of North Dakota, Statistics, (fiscal year reveiw for 1976, 1977 and 1978).

* Also includes data for Golden Valley County prior to 1978. ** Also includes data for Slope County prior to 1978.

*** Includes bonus value (free stamps given to purchases of Food Stamps).

TABLE 14.17

NORTH DAKOTA UNEMPLOYMENT INSURANCE STATISTICS,* SELECTED YEARS, 1940-1978

Year	Average Weekly Insured Unemployment	Subject Employers	Covered Employment	Initial Claims	New Claims Disposed of	Number Allowed Benefits	Claimants Exhausting Benefits	Number of Weekly Benefit Claims	Average Weekly Duration of Compensated Unemployment	Total Benefits Paid	Average Weekly Benefit
1940	NA%	1,238	27,381	14,915	9,910	6,727	3,337	89,605	11.7	$ 619,766	$ 9.40
1945	NA	1,529	29,665	1,476	641	470	31	3,236	6.7	22,179	12.57
1950	4.0	2,518	46,348	11,564	9,805	7,545	1,668	111,203	13.1	1,984,830	20.05
1955	5.2	3,116	50,663	15,201	12,176	9,656	2,481	138,615	13.9	3,206,088	25.50
1960	5.6	5,842	75,187	23,588	16,578	12,389	2,096	171,607	14.4	4,882,603	28.45
1965	4.1	6,346	86,916	19,880	15,098	11,266	1,989	145,475	14.8	5,652,426	38.85
1966	3.6	6,350	87,653	17,518	12,736	9,871	1,868	135,638	13.8	5,527,377	40.75
1967	3.0	6,395	88,822	15,656	10,842	8,378	1,396	108,977	13.6	4,482,706	41.13
1968	2.9	6,456	91,207	15,781	10,545	8,027	1,288	100,558	13.4	4,164,680	41.42
1969	2.8	6,480	93,012	14,328	9,619	7,290	1,063	90,275	13.2	3,847,021	42.61
1970	3.0	6,565	96,950	19,175	11,892	8,956	1,212	98,029	13.1	4,368,501	44.56
1971	3.8	6,799	99,609	21,511	14,422	10,725	1,967	135,797	14.1	6,418,309	47.26
1972	3.1	12,410	132,316	22,708	16,262	11,510	2,505	151,428	14.6	7,721,350	50.99
1973	2.7	13,548	140,052	26,846	17,013	13,034	2,785	161,924	14.0	8,676,015	53.58
1974	2.8	14,407	149,581	22,118	15,502	12,176	2,848	155,031	14.0	8,727,444	56.29
1975	2.9	15,033	158,640	30,107	21,282	16,075	3,445	194,932	15.1	11,801,797	60.54
1976	3.3	15,673	168,007	43,249	31,254	19,280	3,844	209,177	15.4	14,654,464	70.06
1977	2.9	16,015	174,175	47,622	35,180	21,497	4,796	267,054	13.8	21,829,482	81.74
1978	2.4	17,999	203,836**	38,821	28,763	19,086	4,301	252,989	13.7	21,999,614	86.96

SOURCE: North Dakota Employment Security Bureau.

* Excludes UCFE and UCX programs.

** Estimated.

TABLE 14.18

NORTH DAKOTA WORKMEN'S COMPENSATION: NUMBER OF CLAIMS BY GENERAL CAUSE, SELECTED BIENNIA, 1949-50 THROUGH 1976-77

General Cause	Number of Claims for Biennium Ending June 30:											
	1950	1955	1960	1962	1964	1966	1968	1970	1972	1973*	1975	1977
Machinery	1,673	3,236	2,148	1,397	2,740	3,130	3,042	2,891	2,567	619	2,842	4,743
Boiler & Steam Pres. Oper.	16	80	7	------	2	2	4	1	3	3	5	6
Vehicles	1,108	1,377	1,205	1,197	1,504	1,775	1,654	1,561	1,684	750	2,037	1,979
Explosives, Elec. Fires, etc.	1,166	1,452	1,287	1,246	1,794	1,949	1,531	1,541	1,890	783	1,329	1,708
Poisonous Substances	613	466	205	93	74	69	68	75	141	135	412	432
Falls of Persons	3,083	2,755	4,531	4,310	4,641	5,153	4,758	4,945	5,311	2,516	5,148	5,901
Stepping on or striking against objs.	1,345	1,516	1,567	1,533	2,045	2,131	1,831	1,673	2,046	1,144	2,683	2,602
Falling Objects	374	495	570	385	843	861	641	740	1,057	523	1,780	882
Objects Handled	9,638	8,867	11,615	12,254	11,551	11,178	11,492	11,963	12,666	5,842	12,416	15,761
Hand Tools	4,150	2,818	1,846	1,632	2,585	2,519	2,391	2,279	2,430	1,140	3,131	3,501
Animals	149	234	228	215	248	252	294	273	254	134	304	278
Miscellaneous	1,913	2,613	3,112	2,833	3,064	3,227	2,490	2,212	3,215	2,057	3,915	4,115
Total	25,228	25,909	28,321	27,085	31,091	32,246	30,196	30,154	33,264	15,646	36,002	41,908

SOURCE: North Dakota Workmen's Compensation Bureau, Biennial Report and Annual Report, various years.

* Data are for 1973 fiscal year only.

TABLE 14.19

NORTH DAKOTA WORKMEN'S COMPENSATION: TOTAL AWARDS BY GENERAL CAUSE, SELECTED BIENNIA,* 1949-50 THROUGH 1976-77

General Cause	Total Awards for Biennium Ending June 30:					
	1950	1955	1960	1962	1964	1966
Machinery	$ 148,120	$ 294,245	$ 559,611	$ 488,384	$ 488,115	$ 423,075
Boiler & Steam Pressure Operators	388	1,996	154	---------	319	113
Vehicles	599,384	606,148	673,500	711,738	1,029,210	1,194,156
Explosives, Electricity Fires, etc.	134,099	190,131	361,413	414,856	237,498	170,658
Poisonous Substances	34,149	50,280	28,057	19,969	75,273	33,836
Falls of Persons	353,201	550,758	670,725	710,446	1,171,263	1,071,622
Stepping on or striking against objects	40,305	50,558	64,055	82,844	99,882	121,308
Falling objects	92,408	80,568	98,168	138,502	297,198	190,916
Objects Handled	369,612	501,215	772,666	1,033,075	1,511,321	1,277,861
Hand Tools	79,327	99,205	85,018	116,807	172,128	149,491
Animals	8,731	12,808	12,265	24,134	21,347	42,012
Miscellaneous	81,940	195,501	363,908	375,492	646,352	299,133
Total	1,941,663	2,633,410	3,689,539	4,116,246	5,749,907	5,184,486

15.00

EDUCATION

Education is among the most important factors influencing a community's economic and social development. In turn, the level of educational development reflects the overall prosperity of the community. This section contains information on North Dakota's educational establishment, including data on educational attainment of the population, school enrollments, program completions, educational personnel, and school finances.

The principal sources of information on elementary and secondary schools are the biennial statistical reports, the annual *Educational Directory*, and other publications of the North Dakota Department of Public Instruction. Most data on higher education come from the State Board of Higher Education and the North Dakota Higher Education Facilities Commission. Additional data comparing North Dakota with other states come from the U.S. Department of Health, Education, and Welfare's National Center for Educational Statistics through its *Digest of Educational Statistics* and *Statistics of Public Elementary and Secondary Day Schools.*

The formal educational establishment described in this section represents only a portion of all educational activities in the state. Numerous private trade schools, institutional training programs, and community-based special programs round out the educational scene. Unfortunately, information on these activities is fragmented and is therefore not included here.

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TABLE 15.01

EDUCATIONAL ATTAINMENT OF PERSONS OVER 25 YEARS OF AGE BY NORTH DAKOTA COUNTY, 1960 AND 1970

County	Median School Years Completed		County	Median School Years Completed	
	1960	1970		1960	1970
NORTH DAKOTA	9.3	12.0			
Adams	9.0	11.5	Mountrail	9.0	11.1
Barnes	9.3	12.0	Nelson	9.0	9.9
Benson	8.9	10.0	Oliver	8.6	8.8
Billings	8.8	8.9	Pembina	9.0	11.2
Bottineau	9.1	11.1	Pierce	8.7	9.5
Bowman	9.6	12.1	Ramsey	10.0	12.1
Burke	9.0	9.8	Ransom	9.5	11.6
Burleigh	11.6	12.3	Renville	9.8	12.1
Cass	12.1	12.5	Richland	8.9	11.1
Cavalier	8.8	11.0	Rolette	8.6	9.2
Dickey	8.9	10.7	Sargent	8.9	10.4
Divide	9.0	11.1	Sheridan	8.5	8.7
Dunn	8.6	8.9	Sioux	8.7	10.2
Eddy	8.8	10.6	Slope	9.0	11.9
Emmons	8.4	8.7	Stark	8.8	9.7
Foster	9.4	11.3	Steele	9.8	12.1
Golden Valley	10.7	11.6	Stutsman	8.9	10.7
Grand Forks	11.9	12.4	Towner	9.6	11.7
Grant	8.5	8.8	Traill	9.5	12.1
Griggs	8.9	9.6	Walsh	8.8	9.0
Hettinger	8.7	9.5	Ward	11.5	12.4
Kidder	8.7	8.8	Wells	8.9	10.1
La Moure	8.8	9.6	Williams	10.9	12.1
Logan	8.2	8.5			
McHenry	8.8	10.1			
McIntosh	8.2	8.4			
McKenzie	9.5	11.0			
McLean	8.8	10.2			
Mercer	8.3	8.6			
Morton	8.0	9.0			

SOURCE: U.S. Department of Commerce, Bureau of the Census, Census of Population. General Social and Economic Characteristics-North Dakota, 1960 and 1970.

TABLE 15.02

NORTH DAKOTA'S RANK AMONG THE STATES
IN VARIOUS EDUCATIONAL CATEGORIES

Category	Rank
Average Daily Attendance as Percent of Average Daily Membership, 1977-78 (96.1%)	5
Pupils Per Teacher in Public Elementary and Secondary Schools, Fall 1977 (16.9 to 1)	48
Estimated Average Salaries of Classroom Teachers in Public Schools, 1977-78 ($10,329)	42
Estimated Average Salaries of Classroom Teachers in Percent of National Average, 1977-78 (79.5%)	42
Per-Capita Disposable Personal Income, 1976 ($4,554)	45
Percent of Households With Effective Buying Income of $25,000 or More in 1976 (17.9%)	9
Percent of Households With Effective Buying Income Under $8,000 in 1976 (26.1%)	33
Percent of Public and Private Elementary and Secondary School Enrollment Participating in Federally Subsidized School Lunch Program, 1976 (65.5%)	16
Personal Income Per School Age Child, 1976 ($24,743)	33
Estimated Percent of Revenue for Public Elementary and Secondary Schools From Local Governments, 1977-78 (45.0%)	27
Estimated Percent of Revenue for Public Elementary and Secondary Schools From State Governments, 1977-78 (46.3%)	25
Per-Capita Total Expenditures of State and Local Governments for All Education, 1975-76 ($474.78)	20
Total Current Expenditures for Public Elementary and Secondary Schools in 1976-77 as Percent of Personal Income in 1976 (4.5%)	32
Per Capita State Expenditures for State Institutions of Higher Education, 1976 (159.91)	6

SOURCE: North Dakota Department of Public Instruction, North Dakota Enrollment Facts, 1977-78 and National Center for Education Statistics, Statistics of Public Elementary and Secondary Day Schools, 1977-78.

TABLE 15.03

PER CAPITA DIRECT EDUCATIONAL EXPENDITURES OF STATE AND LOCAL GOVERNMENTS AS A PERCENT OF PER CAPITA INCOME, UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, 1974-75

State	Per Capita Income	Per Capita Educational Expenditures	Percent of Per Capita Income
United States	$5,428	$412	7.6%
NORTH DAKOTA	5,888	426	7.2
South Dakota	4,755	393	8.3
Montana	4,976	473	9.5
Nebraska	5,193	406	7.8
Minnesota	5,421	494	9.1
Wyoming	5,652	589	10.4

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1977-1978.

TABLE 15.04

ESTIMATED EXPENDITURE PER PUPIL IN AVERAGE DAILY ATTENDANCE IN PUBLIC ELEMENTARY AND SECONDARY DAY SCHOOLS, UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, 1977-78

State	Total	Current*	Capital Outlay	Interest on School Debt
United States	$2,017	$1,739	$160	$54
NORTH DAKOTA	1,678	1,518	132	26
South Dakota	1,623	1,385	205	21
Montana	2,133	1,906	142	23
Nebraska	1,602	1,526	32	37
Minnesota	2,379	1,962	209	68
Wyoming	2,346	2,007	267	66

SOURCE: National Center for Educational Statistics, Statistics of Public Elementary and Secondary Day Schools, 1977-1978.

* Includes expenditures for day schools only; excludes adult education, summer schools, community colleges, and community services.

TABLE 14.19--*Continued*

General Cause	Total Awards for Biennium Ending June 30:					
	1968	1970	1972	1973**	1975	1977
Machinery	$ 604,414	$ 523,293	$ 613,859	$ 141,688	$ 605,775	$ 1,682,226
Boiler & Steam Pressure Operators	3,846	14	107	201	100	454
Vehicles	1,011,217	1,898,406	1,455,863	1,016,217	2,465,880	2,732,988
Explosives, Electricity Fires, etc.	366,404	605,383	428,747	105,806	442,304	1,301,667
Poisonous Substances	58,870	17,094	41,921	13,572	47,660	161,039
Falls of Persons	1,057,695	1,541,123	1,536,023	740,695	2,149,110	4,305,831
Stepping on or striking against objects	112,434	101,842	166,302	84,313	206,147	368,847
Falling Objects	169,639	151,553	342,985	138,684	489,485	429,198
Objects Handled	1,479,220	1,947,912	2,048,575	912,723	3,033,595	5,852,646
Hand Tools	109,692	126,580	166,212	65,109	306,587	380,341
Anaimals	31,300	33,791	37,698	19,426	77,176	89,444
Miscellaneous	389,418	451,105	480,411	300,638	884,012	1,486,404
Total	5,394,148	7,398,006	7,318,703	3,539,072	10,707,831	18,791,085

SOURCE: North Dakota Workmen's Compensation Bureau, Biennial Report and Annual Report, various years, and calculations.

* Columns may not add to total due to rounding.

** Data are for 1973 fiscal year only.

TABLE 15.05

REVENUE RECEIPTS OF PUBLIC ELEMENTARY SCHOOLS BY SOURCE, UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, 1977-78

State	Total	Federal*		State		Local and Other**	
	($000)	Amount ($000)	Percent of Total	Amount ($000)	Percent of Total	Amount ($000)	Percent of Total
United States	$80,925,000	$6,575,000	8.1%	$35,692,000	44.1%	$38,658,000	47.8%
NORTH DAKOTA	200,000	18,000	9.0	94,000	47.0	88,000	44.1
South Dakota	217,332	26,298	12.1	31,078	14.3	159,956	73.6
Montana	327,400	30,300	9.3	169,900	51.9	127,200	38.8
Nebraska	447,111	32,500	7.3	80,500	18.0	334,121	74.7
Minnesota	1,788,658	105,093	5.9	1,034,454	57.8	649,111	36.3
Wyoming	202,500	15,600	7.7	59,100	29.2	127,800	63.2

SOURCE: National Center for Educational Statistics, Statistics of Public Elementary and Secondary Day Schools, 1977-78.

* Includes value of commodities distributed under the School Lunch and Milk Program.

** Includes intermediate sources plus gifts, tuition, and transportation fees from patrons.

TABLE 15.06

AVERAGE ANNUAL SALARY OF INSTRUCTIONAL STAFF,* UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1929-30 TO 1977-78

State	1929-30	1949-50	1959-60	1969-70	1974-75	1977-78
United States	$1,420	$3,010	$5,174	$8,840	$12,070	$14,244
NORTH DAKOTA	900	2,324	3,695	6,900	9,176	11,329
South Dakota	956	2,064	3,725	6,700	8,860	10,715
Montana	1,215	2,962	4,425	8,100	10,160	12,668
Nebraska	1,077	2,229	3,876	7,855	9,715	11,792
Minnesota	1,251	3,013	5,275	9,957	12,852	14,871
Wyoming	1,239	2,798	4,937	8,532	10,350	14,137

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1977-1978, and Statistics of Public Elementary and Secondary Day Schools, 1977-78.

* Includes supervisors, principals, classroom teachers, and other instructional staff.

TABLE 15.07

NUMBER OF NORTH DAKOTA SCHOOL DISTRICTS, SCHOOLS, GRADE SCHOOL AND HIGH SCHOOL ENROLLMENTS, AVERAGE PER PUPIL INSTRUCTIONAL COSTS AND AVERAGE SALARIES, SELECTED YEARS, 1946-1978

Year	No. of Dist.	No. of Schools	Grade Enroll-ment	H.S. Enroll-ment	Average Salary	Average Cost Per Pupil
1946	2,271	3,588	87,173	27,418	$ 1,417.25	$ 123.06
1950	2,250	3,272	87,636	26,852	2,162.31	196.36
1955	2,055	2,964	94,832	29,776	2,912.34	247.65
1960	1,351	1,763	99,948	35,600	4,120.64	338.55
1965	627	815	111,737	43,131	5,143.00	405.41
1970	435	619	106,368	47,353	7,067.00	651.22
1971	411	594	105,969	47,575	7,779.00	713.54
1972	385	576	105,609	48,029	7,990.00	795.72
1973	372	560	100,181	48,731	8,466.00	735.25
1974	364	552	96,111	49,620	8,841.00	830.02
1975	360	545	91,817	49,383	9,677.00	937.40
1976	351	552	90,892	49,713	10,689.00	1,096.53
1977	344	765	88,273	49,749	10,688.00	1,211.14
1978	341	773	86,217	47,963	12,098.00	1,376.34

SOURCE: North Dakota Department of Public Instruction, Forty-Fourth Statistical Report and additional data supplied by DPI.

TABLE 15.08

TAXABLE VALUATION AND VALUATION OF SCHOOL PROPERTY IN NORTH DAKOTA SCHOOL DISTRICTS, SELECTED YEARS, 1946-1978

Year	Taxable Valuation	Valuation School Property
1946	$692,334,181	$ 38,598,723
1950	548,769,939	56,527,000
1955	631,122,539	95,055,335
1960	674,888,882	136,079,817
1965	698,567,697	188,616,378
1970	721,755,008	261,506,456
1971	611,760,560	261,506,456
1972	623,996,750	507,537,785
1973	623,309,693	554,149,327
1974	658,235,947	343,029,083
1975	671,209,499	352,615,402
1976	714,225,794	345,789,528
1977	735,673,642	408,606,210
1978	775,281,443	438,527,128

SOURCE: North Dakota Department of Public Instruction, Forty-Fourth Statistical Report and additional data supplied by DPI.

TABLE 15.11

NORTH DAKOTA SCHOOL CENSUSES: CHILDREN BY COUNTY: 1931, 1941, 1951, AND 1961

County	1931	1941	1951	1961
NORTH DAKOTA	224,120	189,938	155,571	272,765
Adams	1,993	1,459	1,361	1,931
Barnes	6,017	4,884	3,850	6,891
Benson	4,220	3,664	2,780	4,315
Billings	1,218	759	508	714
Bottineau	4,491	3,701	3,218	4,679
Bowman	1,680	1,036	920	1,862
Burke	3,224	2,243	1,736	2,454
Burleigh	5,436	6,163	6,013	15,261
Cass	16,904	17,119	12,046	26,840
Cavalier	4,515	4,155	3,290	4,201
Dickey	3,478	2,801	2,277	3,299
Divide	3,268	1,932	1,511	2,190
Dunn	3,511	2,640	2,007	2,977
Eddy	2,037	1,635	1,270	1,901
Emmons	4,718	4,350	2,959	4,295
Foster	2,059	1,788	1,370	2,449
Golden Valley	1,323	1,048	942	1,432
Grand Forks	9,795	9,381	8,637	20,383
Grant	3,827	2,803	2,192	2,602
Griggs	2,219	1,582	1,240	2,018
Hettinger	3,154	2,610	2,076	3,261
Kidder	2,900	2,065	1,705	2,313
La Moure	3,878	3,114	2,406	4,016
Logan	3,051	2,554	1,933	2,364
McHenry	5,458	4,092	3,537	4,997
McIntosh	3,560	3,035	2,154	3,216
McKenzie	3,418	2,306	1,736	3,272
McLean	6,136	4,915	5,177	6,019
Mercer	3,389	3,274	2,422	2,805
Morton	7,745	6,740	5,393	9,957
Mountrail	4,611	3,009	2,371	4,288
Nelson	3,410	2,626	2,044	3,129
Oliver	1,568	1,241	898	1,223
Pembina	4,418	4,419	3,557	5,669
Pierce	3,237	2,874	2,531	3,490

TABLF 15.11--*Continued*

County	1931	1941	1951	1961
Ramsey	4,888	4,336	3,462	5,671
Ransom	3,627	2,835	2,083	3,143
Renville	2,261	1,398	1,470	2,149
Richland	6,372	5,713	4,662	7,548
Rolette	3,509	3,695	2,982	5,374
Sargent	2,923	2,388	2,068	2,704
Sheridan	2,694	1,979	1,486	1,511
Sioux	1,641	1,446	1,173	2,089
Slope	1,377	836	633	609
Stark	5,372	5,157	4,798	8,947
Steele	2,076	1,758	1,338	1,803
Stutsman	7,570	6,382	5,348	10,120
Towner	2,677	1,935	1,577	2,253
Traill	3,626	3,218	2,771	4,408
Walsh	6,619	6,018	5,036	7,216
Ward	10,111	9,005	8,023	20,692
Wells	4,281	3,478	2,698	3,812
Williams	6,580	4,344	3,896	10,003

SOURCE: North Dakota Department of Public Instruction, Biennial Reports, various years.

TABLE 15.09

FALL SCHOOL ENROLLMENTS BY COUNTY: 1930, 1940, 1950 AND 1960*

County	1930		1940		1950		1960	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
NORTH DAKOTA	137,511	31,039	103,734	33,653	88,617	27,260	103,380	37,086
Adams	1,330	400	928	321	813	299	802	379
Barnes	3,438	1,064	2,641	991	2,122	735	2,609	899
Benson	2,550	595	2,008	516	1,572	407	1,510	463
Billings	792	52	483	27	291	34	256	12
Bottineau	2,821	766	2,112	744	1,890	553	2,012	765
Bowman	1,066	356	638	226	632	235	808	358
Burke	2,129	453	1,338	432	1,126	348	1,066	465
Burleigh	3,352	745	3,018	973	3,004	825	4,857	1,581
Cass	8,382	2,417	6,555	2,884	6,835	2,155	10,671	3,306
Cavalier	2,856	646	2,477	573	2,001	468	1,528	563
Dickey	2,339	464	1,703	510	1,423	460	1,428	599
Divide	2,019	462	1,070	362	860	289	884	327
Dunn	2,430	292	1,507	310	1,198	240	1,028	366
Eddy	1,280	328	849	301	765	211	725	229
Emmons	3,216	277	2,807	509	1,648	428	1,316	366
Foster	1,374	394	1,103	414	902	292	1,035	415
Golden Valley	835	272	608	255	572	209	630	273
Grand Forks	5,161	1,542	4,500	1,952	4,377	1,442	7,625	2,054
Grant	2,689	324	1,791	384	1,526	325	1,138	344
Griggs	1,394	349	911	358	793	222	920	306
Hettinger	2,056	288	1,505	375	1,015	294	1,014	412
Kidder	2,036	327	1,397	342	1,155	296	992	381
La Moure	2,524	597	1,924	674	1,609	572	1,762	687
Logan	2,187	165	1,725	244	1,214	192	764	313
McHenry	3,109	889	2,545	789	2,235	737	2,255	888

TABLE 15.09--*Continued*

County	1930		1940		1950		1960	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
McIntosh	2,484	305	1,889	508	1,335	380	1,353	522
McKenzie	2,326	363	1,365	332	1,196	215	1,426	362
McLean	3,946	765	2,721	788	2,651	737	2,630	1,134
Mercer	2,472	260	2,115	385	1,532	421	1,164	544
Morton	3,504	976	3,174	1,029	2,100	972	2,684	1,436
Mountrail	2,973	762	1,853	661	1,531	487	1,989	706
Nelson	2,106	651	1,439	663	1,223	525	1,353	576
Oliver	1,111	21	785	73	557	69	456	116
Pembina	2,926	670	2,731	926	2,355	756	2,487	924
Pierce	1,986	297	1,828	375	1,396	369	1,143	540
Ramsey	3,005	880	2,256	989	2,138	655	1,949	797
Ransom	2,257	675	1,549	694	1,237	524	1,404	557
Renville	1,350	486	808	279	963	264	944	385
Richland	3,603	884	3,038	1,189	2,224	926	2,579	1,087
Rolette	2,175	320	1,565	379	1,166	320	1,334	447
Sargent	1,983	469	1,444	519	1,337	435	1,224	491
Sheridan	1,807	213	1,293	243	944	209	655	286
Sioux	1,063	118	865	201	605	146	478	166
Slope	864	142	494	54	336	35	212	16
Stark	2,745	498	2,578	840	2,069	899	2,399	1,146
Steele	1,458	291	1,076	256	821	241	801	272
Stutsman	5,234	971	3,616	1,124	3,068	960	3,919	1,429
Towner	1,727	428	1,064	379	1,036	288	980	398
Traill	2,363	705	1,817	791	1,741	666	1,838	744
Walsh	3,947	659	3,182	794	2,669	630	2,989	797
Ward	5,876	1,311	4,413	1,833	4,707	1,468	7,829	2,396
Wells	2,730	604	2,021	685	1,457	512	1,355	649
Williams	4,125	1,311	2,612	1,198	2,645	883	4,171	1,412

SOURCE: North Dakota Department of Public Instruction, Biennial Report, various years.

* Data represent number of children of age, birth-20 years, per county.

TABLE 15.10

FALL ENROLLMENTS IN PUBLIC AND NON-PUBLIC SCHOOLS BY COUNTY,1970 AND 1978

County	1970				1978			
	Public		Non-Public		Public		Non-Public	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
Adams	613	372	-----	-----	413	298	------	-----
Barnes	2,245	1,140	208	27	1,523	1,004	119	12
Benson	1,417	608	-----	-----	922	597	147	-----
Billings	191	------	-----	-----	99	------	------	-----
Bottineau	1,442	784	-----	-----	1,228	697	------	-----
Bowman	779	439	-----	-----	628	413	4	-----
Burke	857	391	22	12	518	326	14	28
Burleigh	6,329	2,524	1,195	536	6,212	3,167	782	790
Cass	11,108	4,869	1,582	770	9,868	4,986	1,188	777
Cavalier	1,566	775	213	-----	912	739	162	-----
Dickey	1,207	573	18	-----	946	538	9	-----
Divide	613	291	-----	-----	356	232	------	-----
Dunn	744	358	-----	-----	446	298	74	-----
Eddy	584	286	104	80	332	298	82	-----
Emmons	1,409	573	130	134	805	542	89	118
Foster	1,033	457	-----	-----	729	394	------	-----
Golden Valley	427	255	7	-----	318	238	------	-----
Grand Forks	10,256	3,629	470	-----	8,004	3,555	530	17
Grant	772	332	-----	82	558	267	------	78
Griggs	535	323	-----	-----	390	220	------	-----
Hettinger	796	475	362	249	487	402	260	184
Kidder	757	400	-----	-----	494	303	------	-----
La Moure	1,383	739	-----	-----	905	549	------	-----
Logan	791	371	-----	-----	451	353	------	-----
McHenry	1,747	929	-----	-----	1,116	799	------	-----
McIntosh	1,102	543	-----	-----	613	491	------	-----
McKenzie	1,090	430	-----	-----	774	315	135	51
McLean	2,097	1,165	95	-----	1,745	971	147	51

TABLE 15.10--*Continued*

County	1970				1978			
	Public		Non-Public		Public		Non-Public	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
Mercer	1,069	505	-----	-----	1,088	604	------	-----
Morton	3,365	1,934	901	-----	2,824	2,030	756	50
Mountrail	1,746	780	-----	-----	1,216	644	------	-----
Nelson	1,144	586	-----	-----	789	535	------	-----
Oliver	385	152	21	-----	283	173	------	-----
Pembina	1,968	974	129	-----	1,520	858	38	-----
Pierce	955	505	228	-----	755	540	122	-----
Ramsey	2,048	991	492	121	1,482	1,065	531	132
Ransom	1,193	630	-----	-----	922	533	------	-----
Renville	744	385	-----	-----	528	319	------	-----
Richland	2,835	1,412	307	-----	1,929	1,300	505	-----
Rolette	2,811	900	121	-----	1,064	603	1,389	543
Sargent	941	444	-----	-----	714	413	------	-----
Sheridan	445	184	12	-----	282	162	19	-----
Sioux	831	395	68	-----	268	130	510	241
Slope	128	------	-----	-----	71	------	------	-----
Stark	2,584	1,460	1,450	450	2,136	1,588	934	397
Steele	592	275	-----	-----	374	248	------	-----
Stutsman	3,624	1,900	353	16	2,630	1,653	294	32
Towner	803	394	-----	-----	519	309	------	-----
Traill	1,602	816	-----	-----	1,361	781	------	-----
Walsh	2,503	1,244	58	-----	1,865	1,091	106	70
Ward	9,994	3,697	795	422	7,236	3,666	924	371
Wells	1,506	750	7	106	901	639	------	-----
Williams	3,528	1,916	227	-----	2,663	1,601	162	-----
Total	103,234	47,260	9,575	3,005	77,212	44,477	10,032	3,942

SOURCE: North Dakota Department of Public Instruction, Educational Directory.

TABLE 15.12

NORTH DAKOTA SCHOOL CENSUSES: CHILDREN BY AGE AND COUNTY, 1971 AND 1977

County	Number of Children as of May 31, 1971								
	Age Birth - 5						Age 6-17 Inc.		Total of All 0-17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Adams	50	50	67	39	62	63	479	497	1,307
Barnes	207	185	192	212	170	208	1,768	1,697	4,639
Benson	98	110	130	160	134	168	1,130	1,049	2,979
Billings	19	16	12	20	15	19	193	188	482
Bottineau	84	119	140	117	111	124	1,205	1,146	3,046
Bowman	85	58	73	55	66	74	598	589	1,598
Burke	56	57	68	53	69	61	599	625	1,588
Burleigh	587	700	674	697	738	760	5,478	5,305	14,939
Cass	1,076	1,133	1,126	1,092	1,115	1,174	8,616	8,296	23,628
Cavalier	79	106	126	134	118	172	1,287	1,158	3,180
Dickey	100	79	94	97	96	106	923	843	2,338
Divide	57	52	37	49	43	62	502	431	1,233
Dunn	55	45	59	56	61	81	603	571	1,531
Eddy	26	31	41	53	57	60	511	513	1,292
Emmons	105	113	103	118	141	139	1,153	1,169	3,041
Foster	82	77	94	69	78	110	735	749	1,994
Golden Valley	47	29	38	38	39	40	364	327	992
Grand Forks	1,262	1,152	1,066	995	973	1,055	7,054	6,849	20,406
Grant	47	66	65	79	77	81	585	562	1,562
Griggs	43	48	46	35	43	49	463	377	1,104
Hettinger	79	73	88	95	101	113	849	850	2,247
Kidder	55	57	59	59	67	68	609	542	1,516
La Moure	100	89	94	103	113	128	1,075	1,047	2,749
Logan	43	46	62	53	56	52	607	573	1,492
McHenry	112	128	118	134	159	152	1,354	1,262	3,419

TABLE 15.13

PERSISTENCE TO GRADUATION IN NORTH DAKOTA PUBLIC HIGH SCHOOLS, SELECTED YEARS, 1925-1978

Year Ending June 30	Fresh.	Soph.	Juniors	Seniors	Graduates	Percent*	Percent**
1925	8,694	6,165	4,979	4,305	3,857	44.87%	46.94%
1930	10,271	7,652	6,439	5,219	4,995	54.05	51.23
1935	10,261	8,125	7,498	6,797	6,450	63.40	53.93
1940	9,982	8,806	7,815	7,292	6,880	65.34	58.40
1945	8,440	7,179	6,108	5,427	5,182	54.52	48.20
1950	8,138	6,859	6,164	5,691	5,502	68.78	65.32
1955	8,780	7,806	6,986	6,204	6,001	74.39	70.18
1960	9,916	9,217	8,851	7,616	7,328	78.59	75.66
1965	11,578	11,103	10,437	9,945	9,467	80.84	83.12
1970	12,218	11,808	11,772	11,419	10,850	85.81	89.82
1971	12,780	12,007	11,396	11,261	11,182	89.76	95.77
1972	12,919	12,493	11,521	10,904	10,540	87.12	92.54
1973	12,934	12,720	11,919	11,037	10,632	87.02	91.11
1974	13,208	12,713	12,031	11,452	11,146	87.21	91.15
1975	12,929	13,021	12,027	11,226	10,750	83.21	87.55
1976	13,108	12,592	12,258	11,476	10,771	83.27	87.34
1977	12,781	12,945	12,045	11,653	11,653	88.23	91.19
1978	12,346	12,322	12,034	11,261	10,725	82.95	86.45

SOURCE: North Dakota Department of Public Instrustion, Forty-Fourth Statistical Report, and additional data supplied by DPI.

* Percent graduates are of number enrolled as freshmen four years prior.

** Percent graduates are of number graduated from eighth grade four years prior.

TABLE 15.12--*Continued*

County	Number of Children as of May 31, 1971								
	Age Birth - 5						Age 6-17 Inc.		Total of All 0-17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
McIntosh	61	60	67	82	86	94	814	775	2,039
McKenzie	100	82	92	97	95	118	848	821	2,253
McLean	149	154	164	158	211	206	1,685	1,589	4,316
Mercer	75	83	96	89	94	107	778	780	2,102
Morton	303	348	339	381	407	428	3,149	2,492	7,847
Mountrail	110	110	112	104	131	114	1,238	1,206	3,125
Nelson	72	80	90	81	109	103	918	840	2,293
Oliver	20	28	28	21	30	25	295	259	706
Pembina	150	157	178	177	180	173	1,627	1,572	4,214
Pierce	85	87	86	101	103	117	914	845	2,338
Ramsey	130	191	191	189	203	238	1,732	1,691	4,565
Ransom	79	97	94	80	82	86	900	868	2,288
Renville	74	55	62	57	66	63	606	554	1,537
Richland	196	202	206	197	217	223	2,115	2,010	5,366
Rolette	229	236	268	243	278	335	2,153	2,095	5,837
Sargent	78	81	86	79	85	94	731	682	1,916
Sheridan	30	32	40	25	47	46	330	327	877
Sioux	73	70	93	94	111	106	699	653	1,899
Slope	15	14	9	7	13	10	116	117	301
Stark	303	282	357	367	331	412	3,045	2,921	8,018
Steele	28	55	38	56	37	41	454	406	1,115
Stutsman	267	289	312	296	356	343	3,021	2,897	7,781
Towner	55	57	65	59	68	62	594	558	1,841
Traill	131	137	136	138	129	131	1,226	1,191	3,219
Walsh	175	187	224	211	257	242	1,995	1,953	5,244
Ward	868	1,112	1,045	932	1,002	1,118	7,487	7,264	20,828
Wells	94	119	93	119	103	129	1,147	1,122	2,926
Williams	277	305	314	287	339	292	2,828	2,776	7,418
Total	8,781	9,329	9,557	9,339	9,872	10,575	82,185	78,479	218,117

TABLE 15.12--*Continued*

County	Number of Children as of May 31, 1977								
	Age Birth - 5						Age 6-17 Inc.		Total of All
	Under 1	1	2	3	4	5	Boys	Girls	0-17 Inc.
Adams	48	50	44	51	59	48	382	389	1,071
Barnes	151	127	148	134	181	161	1,417	1,325	3,644
Benson	112	98	96	104	95	117	976	900	2,498
Billings	14	15	18	23	18	13	145	161	407
Bottineau	119	124	112	130	125	140	998	1,040	2,788
Bowman	72	80	77	71	86	65	550	499	1,500
Burke	55	51	55	57	57	49	469	441	1,234
Burleigh	761	761	770	740	841	823	5,481	5,350	15,527
Cass	1,053	1,055	1,088	1,097	1,091	1,191	8,176	7,785	22,536
Cavalier	105	105	96	89	98	111	926	875	2,405
Dickey	115	96	111	98	103	105	793	708	2,129
Divide	58	46	51	45	44	43	358	333	978
Dunn	59	56	50	59	42	66	477	473	1,282
Eddy	60	46	51	43	33	44	367	354	998
Emmons	75	67	88	96	71	107	870	898	2,272
Foster	20	70	73	75	68	84	621	571	1,582
Golden Valley	34	44	36	37	40	43	297	274	805
Grand Forks	921	1,070	984	933	970	1,041	6,228	5,850	17,997
Grant	41	63	53	52	64	54	508	455	1,290
Griggs	47	39	52	48	43	49	359	301	938
Hettinger	61	62	53	58	72	71	630	652	1,659
Kidder	52	64	47	67	63	69	499	406	1,267
La Moure	78	79	100	85	97	99	809	803	2,150
Logan	33	38	46	45	50	50	442	390	1,094
McHenry	116	91	117	119	117	117	1,136	999	2,812
McIntosh	35	38	44	50	61	46	629	577	1,480
McKenzie	74	92	98	103	101	106	719	668	1,961
McLean	176	168	186	176	193	181	1,414	1,339	3,833
Mercer	102	101	87	88	89	111	759	743	2,080
Morton	420	419	412	403	419	365	3,058	2,738	8,234

TABLE 15.12--*Continued*

County	Number of Children as of May 31, 1977								
	Age Birth - 5						Age 6-17 Inc.		Total of All 0-17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Mountrail	129	125	106	125	133	139	955	935	2,647
Nelson	76	72	70	65	71	76	781	702	1,913
Oliver	24	30	32	26	38	24	242	207	623
Pembina	152	151	166	167	164	165	1,225	1,245	3,435
Pierce	90	88	76	88	73	98	864	768	2,145
Ramsey	141	148	171	171	159	173	1,417	1,421	3,801
Ransom	105	102	98	105	95	101	744	727	2,077
Renville	53	53	68	57	59	44	468	447	1,249
Richland	250	236	222	215	229	234	1,733	1,679	4,798
Rolette	277	216	277	238	242	255	1,905	1,816	5,226
Sargent	76	92	82	84	97	85	630	573	1,719
Sheridan	34	25	34	21	36	31	276	274	731
Sioux	91	86	87	95	66	84	659	604	1,772
Slope	11	7	9	9	6	7	87	69	205
Stark	290	273	264	287	334	279	2,529	2,404	6,660
Steele	44	37	40	32	35	45	326	320	879
Stutsman	322	280	303	285	310	316	2,440	2,248	6,504
Towner	37	43	44	44	45	58	482	422	1,175
Traill	170	141	152	134	142	158	1,074	1,030	3,001
Walsh	202	199	187	176	184	230	1,666	1,584	4,428
Ward	1,134	990	1,048	992	1,076	1,124	6,653	6,224	19,241
Wells	103	73	90	92	94	107	842	815	2,216
Williams	312	326	331	293	299	349	2,278	2,235	6,423
Totals	9,190	9,008	9,200	8,977	9,378	9,751	70,769	67,046	193,319

SOURCE: North Dakota Department of Public Instruction, Educational Directory, 1972-73 and 1978-79.

TABLE 15.14

CURRENT EXPENDITURES PER PUPIL IN AVERAGE DAILY MEMBERSHIP
IN RURAL, ELEMENTARY, AND HIGH SCHOOL DISTRICTS
BY EXPENDITURE CATEGORY, 1977-78

		Expenditure Category									
Enrollment in High School	Number of Districts	Administration	Instruction	Attendance Services	Health Services	Pupil Transportation	Plant Operation	Plant Maintenance	Fixed Charges	A.D.M.	Cost Per Pupil
550 & up	12	$ 36.30	$ 978.59	$ .39	$1.75	$ 30.29	$135.36	$47.70	$158.62	55,359.84	$1,389.00
500-549	0	------	--------	-----	----	------	------	-----	------	----------	--------
400-499	3	49.01	879.54	.00	2.10	120.61	104.02	30.89	131.17	3,540.74	1,317.33
300-399	5	72.66	974.74	11.39	5.83	102.96	107.77	32.53	146.60	4,559.76	1,454.48
200-299	28	71.03	893.05	.04	2.54	144.88	139.97	31.76	134.51	16,763.49	1,417.38
150-199	22	74.57	919.26	.73	1.48	158.23	137.21	26.75	134.36	9,777.42	1,452.58
100-149	43	94.97	867.15	.88	1.99	159.81	153.74	35.90	133.11	13,886.69	1,447.55
75- 99	34	121.42	936.75	.66	1.67	176.86	166.75	43.65	136.99	7,616.87	1,584.75
50- 74	43	131.43	1,062.31	2.50	.34	187.53	200.56	37.81	159.74	6,661.29	1,782.22
25- 49	54	142.25	1,080.87	.04	.78	230.48	227.94	42.45	172.82	5,091.65	1,897.63
24 or less	4	177.12	1,237.26	.00	.61	270.06	251.65	64.75	241.13	260.93	2,242.57
H.S. Total	248	67.39	953.47	.93	1.90	102.02	145.80	40.55	148.81	123,518.88	1,460.88
Elem. Total	44	72.20	893.30	.00	.71	319.45	176.06	41.90	136.77	2,536.51	1,640.38
Rural Total	49	144.62	1,016.39	4.64	.60	919.14	148.69	65.45	149.76	198.59	2,449.29
Grand Total	341	67.61	952.36	.92	1.88	107.68	146.41	40.61	148.57	126,253.98	1,466.04

SOURCE: North Dakota Department of Public Instruction, School Finance Facts, February 1979.

TABLE 15.15

PERCENTAGE DISTRIBUTION OF CURRENT EXPENDITURES PER PUPIL IN AVERAGE DAILY MEMBERSHIP IN RURAL, ELEMENTARY, AND HIGH SCHOOL DISTRICTS BY EXPENDITURE CATEGORY, 1977-78

Enrollment in High School	Number of Districts	Expenditure Category								
		Administration	Instruction	Attendance Services	Health Services	Pupil Transportation	Plant Operation	Plant Maintenance	Fixed Charges	Total
550 & up	12	2.61%	70.45%	.03%	.13%	2.18%	9.75%	3.43%	11.42%	100.00%
500-549	0	----	-----	---	---	-----	-----	----	-----	------
400-499	3	3.72	66.77	.00	.16	9.16	7.90	2.34	9.96	100.00
300-399	5	5.00	67.02	.00	.40	7.08	7.41	2.24	10.08	100.00
200-299	28	5.01	63.01	.78	.18	10.19	9.88	2.24	9.49	100.00
150-199	22	5.13	63.28	.00	.10	10.89	9.45	1.84	9.25	100.00
100-149	43	6.56	59.90	.05	.14	11.04	10.62	2.48	9.20	100.00
75- 99	34	7.66	59.11	.06	.11	11.16	10.52	2.75	8.64	100.00
50- 74	43	7.37	59.61	.04	.02	10.52	11.25	2.12	8.96	100.00
25- 49	54	7.50	56.96	.14	.04	12.15	12.01	2.24	9.11	100.00
24 or Less	4	7.90	55.17	.00	.03	12.04	11.22	2.89	10.75	100.00
High School Total	248	4.61	65.27	.00	.13	6.98	9.98	2.78	10.19	100.00
Elementary Total	44	4.40	54.46	.00	.04	19.47	10.73	2.55	8.34	100.00
Rural Total	49	5.90	41.50	.19	.02	37.53	6.07	2.67	6.11	100.00
Grand Total	341	4.61	64.96	.06	.13	7.34	9.99	2.77	10.13	100.00

SOURCE: North Dakota Department of Public Instruction, School Finance Facts, February 1979.

TABLE 15.16

TAXABLE VALUATION AND AVERAGE MILLS LEVIED BY SCHOOL DISTRICTS BY COUNTY, 1978-1979

County	Taxable Valuation	Average Mill Levy	County	Taxable Valuation	Average Mill Levy	County	Taxable Valuation	Average Mill Levy
Adams	$ 7,593,978	63.83	Hettinger	$ 9,173,095	71.19	Sargent	$ 7,424,854	79.77
Barnes	20,961,090	83.16	Kidder	6,161,577	79.76	Sheridan	3,244,452	81.39
Benson	9,603,816	78.75	La Moure	13,616,141	66.11	Sioux	2,759,875	61.49
Billings	2,568,036	53.99	Logan	4,998,956	85.19	Slope	1,708,157	55.72
Bottineau	13,050,143	93.07	McHenry	11,676,241	87.67	Stark	23,001,623	100.87
Bowman	7,427,580	90.43	McIntosh	7,398,728	88.59	Steele	6,989,374	60.39
Burke	6,440,580	74.66	McKenzie	9,235,592	71.57	Stutsman	31,582,972	79.67
Burleigh	55,173,109	125.40	McLean	17,061,171	80.09	Towner	6,820,606	92.55
Cass	103,951,771	133.45	Mercer	8,022,911	99.90	Traill	19,890,409	89.76
Cavalier	13,356,560	77.88	Morton	28,928,758	84.36	Walsh	19,318,022	111.93
Dickey	10,696,028	74.63	Mountrail	8,908,613	90.73	Ward	51,116,700	89.48
Divide	5,681,537	111.68	Nelson	11,262,731	87.85	Wells	12,744,894	83.35
Dunn	5,645,768	71.98	Oliver	2,786,949	64.73	Williams	26,074,962	83.28
Eddy	4,912,485	81.65	Pembina	20,532,681	74.39			
Emmons	9,230,277	73.71	Pierce	8,410,605	75.49	STATE TOTAL	$793,766,916	84.17
Foster	8,999,725	77.12	Ramsey	17,606,577	102.04			
Golden Valley	5,385,415	73.66	Ransom	9,544,995	90.27			
Grand Forks	57,197,718	131.29	Renville	6,790,402	77.48			
Grant	5,635,422	89.26	Richland	23,017,249	87.79			
Griggs	5,560,171	84.16	Rolette	6,884,835	82.52			

SOURCE: North Dakota Department of Public Instruction, School Finance Facts, February 1979.

Note: To calculate total taxes levied, multiply taxable valuation of the county by the number of mills levied.

TABLE 15.17

AVERAGE MILL LEVIES BY SCHOOL DISTRICTS BY NORTH DAKOTA COUNTY, 1970-1971 TO 1977-1978

County	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978
Adams	66.93	69.73	69.95	58.15	60.37	63.12	64.52	62.87
Barnes	81.36	81.17	84.82	76.04	74.05	76.54	83.22	80.64
Benson	73.04	74.45	77.92	69.57	70.68	74.74	72.40	79.00
Billings	50.00	45.00	40.00	38.00	43.93	37.25	44.00	41.00
Bottineau	70.22	76.73	88.52	72.27	74.11	80.35	88.98	86.94
Bowman	61.27	67.20	67.89	64.46	69.51	81.97	84.33	84.55
Burke	76.96	74.50	76.28	64.33	65.28	68.21	70.55	71.66
Burleigh	96.30	96.99	109.09	93.26	98.02	106.02	112.23	123.24
Cass	110.81	117.14	117.09	103.23	112.50	119.11	128.75	128.41
Cavalier	65.50	66.14	67.94	55.82	61.99	75.40	80.61	81.23
Dickey	67.47	76.35	75.68	57.26	63.05	63.40	70.39	73.58
Divide	92.27	91.13	88.56	77.06	81.68	72.91	94.61	108.15
Dunn	60.34	60.69	61.93	52.61	59.80	69.98	72.13	70.44
Eddy	75.00	72.13	78.10	67.46	68.83	67.95	68.82	72.14
Emmons	70.02	68.88	69.86	67.50	66.72	68.47	77.26	78.90
Foster	66.14	69.58	73.74	62.60	63.94	65.68	75.51	77.94
Golden Valley	59.98	60.92	71.25	60.01	62.35	64.14	62.95	61.21
Grand Forks	105.79	105.43	107.89	88.58	97.67	108.11	113.84	132.73
Grant	79.95	78.30	78.68	64.18	66.85	70.54	76.23	84.22
Griggs	72.54	69.07	67.19	61.27	65.95	69.05	83.83	84.96
Hettinger	60.05	59.73	59.22	49.89	48.51	63.21	67.20	72.08
Kidder	72.65	76.34	74.92	62.69	68.75	70.83	76.03	80.18
La Moure	79.58	75.29	77.99	68.54	68.62	69.57	68.92	67.26
Logan	76.96	74.40	75.13	63.38	43.30	73.16	81.15	83.57
McHenry	83.75	83.08	82.70	67.24	71.71	79.26	82.81	91.16
McIntosh	75.51	76.93	76.11	75.12	78.48	80.16	80.25	84.76
McKenzie	59.92	54.95	58.89	49.52	65.76	66.00	68.33	67.81
McLean	72.12	69.11	67.13	57.83	61.53	66.77	73.66	73.65
Mercer	59.16	70.38	71.96	61.86	63.66	67.98	87.91	86.47
Morton	61.75	66.70	67.66	55.96	64.18	66.59	69.60	72.06

TABLE 15.17--*Continued*

County	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978
Mountrail	78.29	79.43	83.52	70.89	73.41	79.98	85.03	87.25
Nelson	69.36	70.59	72.01	60.78	61.54	70.70	82.86	83.95
Oliver	90.28	75.77	74.87	70.12	64.57	72.97	63.71	62.13
Pembina	65.13	65.33	67.57	60.27	63.90	67.60	67.95	72.91
Pierce	73.62	71.70	75.71	67.37	66.55	69.08	67.73	71.92
Ramsey	77.61	81.11	89.22	76.86	80.30	84.21	97.35	90.95
Ransom	45.77	72.21	55.22	67.03	66.01	77.26	84.70	85.41
Renville	78.06	75.41	74.78	64.26	63.36	61.77	65.38	67.86
Richland	64.25	67.78	73.14	65.95	66.26	78.70	82.24	86.47
Rolette	86.00	74.14	75.34	69.37	62.83	72.07	73.87	79.45
Sargent	72.96	70.31	76.15	69.82	72.62	74.62	74.49	78.51
Sheridan	72.96	74.75	75.39	62.77	71.07	76.91	82.63	82.79
Sioux	57.95	61.00	61.05	55.42	54.82	51.36	59.60	60.76
Slope	50.21	55.11	41.92	37.95	47.13	54.94	54.23	56.43
Stark	86.97	83.01	83.73	73.03	74.02	91.77	93.14	98.44
Steele	63.17	63.53	63.02	55.04	63.95	64.10	58.42	65.13
Stutsman	83.33	84.12	85.34	72.77	74.73	75.30	76.84	78.34
Towner	72.99	70.06	69.84	67.16	65.87	72.60	74.43	79.83
Traill	69.32	67.95	69.63	64.01	66.15	79.59	84.19	85.19
Walsh	85.76	87.19	93.46	76.43	86.00	87.41	96.38	108.16
Ward	100.00	93.53	97.64	82.94	80.38	85.22	85.77	90.12
Wells	65.03	66.19	80.68	71.59	76.30	78.05	84.56	86.97
Williams	79.55	81.88	81.64	69.36	67.87	67.35	70.54	80.79
N.D. Average	73.43	83.10	85.83	74.30	78.18	84.08	89.47	81.18

SOURCE: North Dakota Department of Public Instruction, School Finance Facts, various years.

Note: To calculate total taxes levied, multiply taxable valuation of the county by the number of mills levied.

TABLE 15.18

TAXABLE VALUATION* BY NORTH DAKOTA COUNTY, 1970-1971 TO 1977-1978

County	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978
Adams	$ 5,250,684	$ 5,917,979	$ 5,942,802	$ 6,421,048	$ 6,411,346	$ 6,745,806	$ 6,793,322	$ 7,459,511
Barnes	15,924,237	16,160,924	15,913,588	16,744,204	16,807,602	18,407,570	18,652,395	20,448,182
Benson	8,182,266	7,867,393	8,029,396	8,327,324	8,545,490	9,146,423	9,178,120	9,579,064
Billings	2,410,090	2,552,569	2,549,436	2,550,348	2,555,599	2,474,582	2,466,561	2,470,710
Bottineau	11,687,902	11,783,871	10,874,940	12,387,580	12,439,221	12,539,478	12,649,851	12,876,723
Bowman	5,986,334	5,899,711	5,907,663	6,567,700	6,639,236	6,803,752	6,904,607	7,304,044
Burke	5,653,060	5,512,256	5,553,772	6,313,282	6,344,347	6,650,708	6,626,359	6,376,065
Burleigh	33,312,432	35,740,382	37,281,563	39,975,296	41,776,202	43,828,452	47,258,352	48,678,946
Cass	68,552,661	69,602,649	71,605,520	74,620,681	78,830,472	86,423,689	89,689,851	98,839,892
Cavalier	10,680,554	10,857,695	10,985,549	11,409,435	11,492,162	12,481,430	12,594,937	13,596,482
Dickey	7,261,135	7,767,337	7,748,888	8,031,149	8,041,242	9,518,508	9,595,414	10,551,975
Divide	4,523,660	4,723,300	4,751,063	5,075,319	5,070,552	5,829,469	5,878,681	5,613,426
Dunn	5,287,631	5,311,226	5,308,622	5,469,564	5,495,991	5,485,340	5,478,655	5,468,118
Eddy	4,139,079	4,289,258	4,337,739	4,275,813	4,231,782	4,359,445	4,417,521	4,706,928
Emmons	6,839,239	6,879,286	6,898,363	7,234,736	7,245,393	8,597,411	8,601,440	8,564,662
Foster	6,871,191	7,250,087	7,293,865	7,329,394	7,345,168	7,932,874	7,987,653	8,572,481
Golden Valley	4,266,691	4,417,841	4,382,544	4,467,206	4,472,791	4,812,624	4,821,117	5,340,806
Grand Forks	42,103,751	41,921,108	42,997,167	46,393,319	48,719,990	50,876,191	52,734,639	54,360,329
Grant	4,987,801	5,140,206	5,106,409	5,531,197	5,443,385	5,563,543	5,535,244	5,559,033
Griggs	4,727,933	4,750,686	4,761,562	4,730,017	4,818,220	5,148,422	5,166,241	5,551,780
Hettinger	8,253,505	8,254,667	8,252,260	8,424,032	8,532,294	8,765,372	8,750,228	9,128,107
Kidder	4,724,817	5,272,014	5,252,524	5,674,936	5,686,425	6,080,428	6,083,526	6,122,040
La Moure	9,498,916	9,597,606	9,620,055	9,957,216	9,953,413	12,126,587	12,210,909	13,627,541
Logan	3,900,949	3,901,980	3,934,808	4,017,484	4,050,555	4,806,615	4,820,810	4,929,391
McHenry	10,511,629	10,522,854	9,256,180	11,175,281	11,139,243	11,051,546	11,049,993	11,301,979
McIntosh	7,237,021	7,126,702	7,143,304	7,158,315	7,140,874	7,333,906	7,386,109	7,221,024
McKenzie	7,055,178	6,994,275	6,976,889	8,164,954	8,382,417	8,365,281	8,393,370	9,077,791
McLean	11,779,299	12,364,100	12,379,076	13,804,246	14,003,154	13,984,292	14,139,399	16,723,653
Mercer	5,690,982	5,717,119	5,708,329	6,131,317	6,102,293	6,245,298	6,413,225	7,499,305
Morton	22,541,342	23,095,627	23,237,706	23,290,902	23,688,173	24,824,723	25,936,005	27,049,308

TABLE 15.18--*Continued*

County	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978
Mountrail	$ 8,039,033	$ 8,058,102	$ 7,741,596	$ 8,751,344	$ 8,709,859	$ 8,677,240	$ 8,701,910	$ 8,834,792
Nelson	10,042,336	9,952,391	10,016,077	10,490,893	10,461,047	10,865,276	11,009,317	1,115,211
Oliver	2,271,270	2,270,272	2,342,607	2,567,663	2,575,269	2,570,699	2,581,365	2,743,065
Pembina	17,174,786	18,309,634	18,450,051	19,014,583	19,056,613	19,946,065	20,600,617	20,353,461
Pierce	7,188,069	7,610,018	7,616,516	7,719,108	7,797,403	7,868,145	8,004,672	8,202,715
Ramsey	13,640,414	13,695,748	13,955,201	14,984,305	15,063,864	15,768,948	15,793,186	17,124,220
Ransom	7,269,769	6,207,591	8,259,507	7,526,340	7,580,450	8,376,507	8,444,266	9,921,924
Renville	5,785,303	6,311,419	6,312,547	6,587,167	6,602,020	6,601,297	6,660,508	6,650,755
Richland	19,232,386	19,353,586	19,397,881	19,405,278	19,905,350	21,099,803	21,452,721	22,550,862
Rolette	4,825,221	5,582,001	5,608,391	6,232,656	6,192,640	6,255,056	6,323,931	6,633,479
Sargent	5,630,007	5,642,311	5,656,732	5,710,333	5,787,867	6,883,304	6,907,007	7,396,697
Sheridan	2,699,799	2,744,026	2,781,084	2,942,107	2,974,824	2,981,560	3,003,381	3,236,609
Sioux	2,086,721	2,218,561	2,220,694	2,150,339	2,150,032	2,725,171	2,710,315	2,771,523
Slope	1,601,028	1,588,116	1,435,309	1,734,164	1,725,427	1,722,364	1,706,383	1,717,291
Stark	15,875,446	16,027,318	16,396,713	16,651,146	16,944,051	18,275,855	19,366,358	21,498,152
Steele	5,368,312	5,135,971	5,135,291	5,178,764	5,170,392	5,677,464	5,855,657	6,959,368
Stutsman	22,156,383	22,770,672	23,319,366	23,915,256	24,205,891	26,931,849	27,880,959	29,974,952
Towner	6,031,616	6,025,382	6,028,481	5,947,946	6,065,243	6,344,622	6,385,562	6,757,513
Traill	15,320,943	15,458,199	15,498,178	15,809,897	16,735,533	17,044,897	18,273,046	19,474,032
Walsh	17,423,425	16,789,876	16,806,789	17,180,753	17,465,496	19,085,040	19,227,341	19,039,391
Ward	39,067,408	41,830,015	42,425,353	42,502,081	43,031,028	44,596,592	49,737,954	49,723,670
Wells	10,206,069	10,218,033	10,261,848	10,347,949	10,366,911	10,989,487	11,050,284	12,515,338
Williams	22,983,742	22,974,800	23,347,016	23,232,580	23,237,257	25,728,797	26,382,868	25,450,067
N.D. Total	611,760,560	623,996,750	631,004,810	658,235,947	671,209,499	714,225,794	735,673,642	765,244,383

SOURCE: North Dakota Department of Public Instruction, School Finance Facts, various years.

* 50 percent Assessed Valuation.

Note: To calculate total taxes levied, multiply taxable valuation of the county by the number of mills levied.

TABLE 15.19

AVERAGE SALARIES OF NORTH DAKOTA EDUCATIONAL PERSONNEL BY POSITION AND REGION, 1977-78

Position	Region I[1]		Region II[2]		Region III[3]		Region IV[4]		Region V[5]	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Elementary Principal	6	$17,471	31	$17,546	16	$15,218	27	$19,946	38	$19,237
Secondary Principal	7	19,026	32	16,208	24	14,318	25	17,721	39	17,815
Superintendant	17	18,192	46	18,058	42	16,288	33	18,934	43	20,570
Counselor	5	15,128	18	14,096	10	13,524	18	16,438	28	15,748
Librarian	6	12,098	18	11,940	14	11,948	16	13,099	27	12,509
Elementary Teacher	231	11,040	730	10,748	471	10,333	610	11,993	838	12,472
Secondary Teacher:										
Agriculture	6	14,862	22	12,739	11	13,157	9	13,391	13	12,709
Art	3	12,358	8	10,740	5	12,663	8	12,456	10	14,049
Business	19	12,021	49	11,388	27	10,723	32	12,240	44	12,613
Distributive Ed.	---	------	1	11,000	2	NA	3	13,800	5	12,766
English	26	12,205	75	10,640	48	10,274	67	12,212	90	12,613
Foreign Languages	1	8,975	3	12,261	1	11,072	4	10,094	8	12,714
Health Occupation	---	------	2	12,619	2	NA	2	8,494	2	11,520
Phy. Ed. & Health	8	11,262	24	12,313	13	10,575	35	13,477	35	13,066
Home Economics	11	10,841	30	10,486	24	9,824	24	11,264	39	11,364
Industrial Arts	5	11,877	18	10,731	13	11,710	18	13,602	18	12,353
Mathematics	13	13,636	53	11,365	33	11,407	39	13,192	51	13,075
Music	6	13,602	27	11,296	19	9,891	22	12,295	29	12,124
Science	20	12,855	62	11,251	40	10,197	49	13,431	65	12,970
Office Ed.	1	15,395	6	13,660	3	14,420	4	11,256	6	14,623
Social Studies	17	14,009	70	11,011	42	10,871	54	12,944	75	12,831

TABLE 15.19--*Continued*

Position	Region I[1]		Region II[2]		Region III[3]		Region IV[4]		Region V[5]	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Trade & Industry	3	$13,857	13	$13,995	9	$13,603	9	$15,003	19	$14,195
Special Ed.	5	11,213	7	11,395	9	9,909	17	10,502	17	11,152
Driver Ed.	1	13,225	9	13,485	2	9,220	9	15,318	4	12,264
Totals	417	$12,147	1,354	$11,552	880	$11,043	1,134	$12,868	1,543	$13,131

Position	Region VI[6]		Region VII[7]		Region VIII[8]		State	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Elementary Principal	15	$16,679	27	$17,757	10	$16,099	170	$17,494
Secondary Principal	29	15,164	34	16,674	14	16,245	204	16,646
Superintendant	57	16,298	50	17,940	27	18,167	315	18,056
Counselor	12	13,480	17	14,820	7	14,631	115	14,733
Librarian	14	12,114	26	12,303	11	11,122	132	12,142
Elementary Teacher	530	10,624	834	11,082	331	10,532	4,575	11,103
Secondary Teacher:								
Agriculture	16	12,540	17	13,243	8	13,153	102	13,224
Art	3	9,968	5	10,733	2	12,896	44	11,983
Business	49	10,582	55	10,995	22	10,901	297	11,433
Distributive Ed.	3	NA	2	11,605	1	11,734	17	7,613
English	67	10,770	96	11,189	37	10,860	506	11,345
Foreign Language	4	10,484	8	11,913	3	9,690	32	10,900
Health Occupation	4	NA	-----	------	---	------	12	4,079
Phy. Ed. & Health	19	11,073	38	11,363	13	11,292	185	11,803

TABLE 15.19--*Continued*

Position	Region VI[6]		Region VII[7]		Region VIII[8]		State	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Home Economics	27	$ 9,986	37	$10,137	18	$10,093	210	$10,499
Industrial Arts	19	10,714	24	11,533	10	11,981	125	11,813
Mathematics	44	11,460	59	11,557	23	11,370	315	12,133
Music	22	10,366	27	11,154	12	9,956	164	11,336
Science	58	11,100	72	11,617	27	11,897	393	11,915
Office Ed.	7	11,440	7	12,617	1	11,070	35	13,060
Social Studies	60	11,151	70	12,195	24	11,173	412	12,023
Trade & Industry	13	9,550	16	13,454	4	15,176	86	13,604
Special Ed.	6	9,788	9	18,379	4	10,341	74	11,585
Driver Ed.	6	13,017	7	12,071	4	13,153	42	12,719
Totals	1,084	$11,291	1,537	$11,800	613	$11,421	8,562	$11,907

SOURCE: North Dakota Department of Public Instruction, Administrative and Instructional Personnel in North Dakota, 1977-78.

[1] Includes Divide, Williams and McKenzie Counties.

[2] Includes Burke, Bottineau, McHenry, Mountrail, Pierce, Renville and Ward Counties.

[3] Includes Benson, Cavalier, Eddy, Rolette and Towner Counties.

[4] Includes Grand Forks, Nelson, Pembina and Walsh Counties.

[5] Includes Cass, Ransom, Richland, Steele and Traill Counties.

[6] Includes Barnes, Dickey, Foster, Griggs, La Moure, Logan, McIntosh, Stutsman and Wells Counties.

[7] Includes Burleigh, Emmons, Grant, Kidder, McLean, Mercer, Morton, Oliver, Sheridan and Sioux Counties.

[8] Includes Adams, Billings, Bowman, Dunn, Golden Valley, Hettinger, Slope and Stark Counties.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 15.26

PERCENT PERSONNEL TURNOVER AMONG NORTH DAKOTA FULL-TIME ADMINISTRATIVE AND INSTRUCTIONAL EMPLOYEES, 1970-1976

Academic Year	Changed Districts	Did Not Change Districts	Did Not Return To Teaching in N.D.
1970-1971	7%	75%	18%
1971-1972	5	77	18
1972-1973	5	78	17
1973-1974	5	78	17
1974-1975	7	93	--
1975-1976	7	71	22

SOURCE: North Dakota Department of Public Instruction, Biennial Reports, various years.

TABLE 15.20

AVERAGE SALARY OF NORTH DAKOTA ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL BY EDUCATION LEVEL, MAJOR ASSIGNMENT AND TYPE OF SCHOOL DISTRICT, 1970-1978

Degree	Academic Year							
	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978
Doctorate	$14,404	$14,320	$13,974	$14,432	$17,243	$17,502	$22,179	$23,856
Master	10,853	11,094	11,432	11,945	13,874	13,716	15,436	16,548
Bachelor	7,532	7,590	7,924	8,229	8,631	9,891	10,363	11,119
Less Than Bachelor	5,417	5,550	6,291	5,951	7,756	7,176	8,449	9,198
Major Assignment								
Administrator	$11,733	$12,116	$12,491	$12,999	$14,026	$15,657	$17,276	$18,352
Librarian	8,156	8,257	8,581	8,942	9,674	10,732	11,030	11,865
Audio Visual	10,735	11,767	10,149	10,697	11,101	14,119		
Guidance	10,576	10,925	11,016	11,070	11,950	12,715	14,104	15,125
Sec. Principal	10,355	10,688	11,241	11,643	12,529	14,141	14,626	16,001
Elem. Principal	11,849	12,064	12,327	13,089	14,050	15,395	16,631	18,027
Sec. Teacher	8,019	8,142	8,644	8,848	9,382	10,687	10,963	11,763
Elem. Teacher	7,023	7,251	7,715	8,125	9,152	9,900	10,492	11,227
Type of School District								
High School	$ 7,877	$ 8,080	$ 8,555	$ 8,929	$ 9,772	$10,791	$11,366	$12,207
Graded Elementary	5,441	5,646	5,851	5,946	6,472	7,343	7,893	8,576
One-Room Rural	4,785	5,007	5,169	5,284	5,688	6,130	6,631	7,093

SOURCE: North Dakota Department of Public Instruction, Administrative and Instructional Personnel in North Dakota, academic years 1970-1971 to 1978-1979.

TABLE 15.21

EDUCATIONAL PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, 1970-1978

Academic Year	Degree Held												Total
	Doctorate		Master +30 hrs.		Master		Bachelor +30 hrs.		Bachelor		Less than Bachelor		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Administrative Personnel													
1970-1971	8	3%	100	39%	117	46%	15	6%	16	6%	0	0%	256
1971-1972	8	3	106	42	109	43	11	4	19	8	0	0	253
1972-1973	11	4	118	41	97	33	23	8	46	14	0	0	291
1973-1974	11	4	125	40	102	33	20	6	52	17	0	0	310
1974-1975	12	4	127	42	94	31	23	8	44	15	0	0	300
1975-1976	11	4	121	42	97	33	18	6	43	15	0	0	290
1976-1977	11	4	124	44	88	31	18	6	40	14	0	0	281
1977-1978	14	5	121	42	87	30	25	9	41	14	0	0	288
Instructional Personnel													
1970-1971	1	*%	344	5%	369	5%	1,049	15%	3,966	55%	1,491	20%	7,200
1971-1972	2	*	379	5	374	5	1,164	16	3,993	57	1,186	17	7,113
1972-1973	2	*	408	6	386	5	1,306	19	4,043	57	927	13	7,070
1973-1974	3	*	435	6	397	5	1,454	20	4,153	57	728	10	7,177
1974-1975	5	*	453	6	396	6	1,613	23	4,148	58	528	7	7,161
1975-1976	7	*	493	7	403	6	1,755	24	4,101	57	407	6	7,166
1976-1977	7	*	501	7	388	6	1,890	27	3,945	56	299	4	7,010
1977-1978	7	*	522	7	377	5	2,038	24	3,884	55	252	4	7,080

SOURCE: North Dakota Department of Public Instruction, Biennial Reports, 1970-1978.

* Less than 1%.

TABLE 15.22

INSTITUTION GRANTING HIGHEST DEGREE EARNED TO INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, 1970-1978

Academic Year	Total	Univ. of North Dakota		North Dakota State Univ.		Minot State College		Dickinson State College		Valley City State College		Mayville State College		Jamestown College		Ellendale State College		Mary College		Out of State	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Instructional Personnel																					
1970-1971	7,200	754	11%	455	6%	1,327	18%	814	11%	1,232	17%	766	11%	154	2%	266	4%	78	1%	1,349	19%
1971-1972	7,113	823	12	474	7	1,309	18	767	11	1,214	17	707	10	143	2	250	4	84	1	1,342	19
1972-1973	7,070	881	12	512	7	1,290	18	756	11	1,157	16	701	10	145	2	215	3	99	1	1,314	19
1973-1974	7,177	929	13	553	7	1,271	18	753	10	1,139	16	716	10	145	2	189	3	112	2	1,390	19
1974-1975	7,161	960	13	564	8	1,242	17	731	10	1,092	15	731	10	136	2	165	2	125	2	1,415	20
1975-1976	7,166	1,018	14	583	8	1,229	17	667	9	1,058	15	678	9	119	2	152	2	146	2	1,516	22
1976-1977	7,010	1,039	15	558	8	1,178	17	638	9	1,008	14	665	9	130	2	140	2	154	2	1,500	21
1977-1978	7,080	1,081	15	588	8	1,157	16	644	9	980	14	650	9	139	2	126	2	170	3	1,545	22

SOURCE: North Dakota Department of Public Instruction, Biennial Reports, 1970-1978.

TABLE 15.23

INSTITUTION GRANTING HIGHEST DEGREE EARNED TO ADMINISTRATIVE PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, 1970-1978

Academic Year	Total	Univ. of North Dakota		North Dakota State Univ.		Minot State College		Dickinson State College		Valley City State College	
		No.	%	No.	%	No.	%	No.	%	No.	%
Administrative Personnel											
1970-1971	256	106	41%	64	25%	3	1%	2	1%	8	3%
1971-1972	253	98	39	64	25	8	3	4	2	8	3
1972-1973	291	96	33	66	23	10	3	5	2	16	5
1973-1974	310	100	32	74	24	14	5	8	3	16	5
1974-1975	300	97	32	73	24	6	2	6	2	19	6
1975-1976	290	92	32	73	25	3	1	6	2	15	5
1976-1977	281	91	32	75	27	5	2	6	2	13	5
1977-1978	288	89	31	71	25	12	4	7	2	15	5

Academic Year	Mayville State College		Jamestown College		Ellendale State College		Mary College		Out of State	
	No.	%	No.	%	No.	%	No.	%	No.	%
Administrative Personnal										
1970-1971	5	2%	2	1%	2	1%	*	*%	69	25%
1971-1972	3	1	2	1	2	1	*	*	64	25
1972-1973	5	2	5	2	4	1	*	*	84	29
1973-1974	6	2	5	2	4	1	*	*	83	27
1974-1975	12	4	3	1	6	2	*	*	78	26
1975-1976	12	4	5	2	5	2	*	*	79	27
1976-1977	9	3	4	1	4	1	*	*	74	26
1977-1978	7	2	5	2	5	2	*	*	77	27

SOURCE: North Dakota Department of Public Instruction, Biennial Reports, 1970-1978.

* Not included in Biennial Reports.

TABLE 15.24

AGE PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, 1970-1978

Academic Year	Age Level												Total
	20-29 Years		30-39 Years		40-49 Years		50-59 Years		60-69 Years		Over 70 Years		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Administrative Personnel													
1970-1971	20	8%	94	37%	76	30%	45	18%	21	8%	2	*%	256
1971-1972	14	6	92	36	82	32	42	17	23	9	0	0	253
1972-1973	11	4	96	33	93	32	51	18	38	13	2	*	291
1973-1974	12	4	94	30	105	34	61	20	37	12	1	*	310
1974-1975	16	5	83	28	98	33	67	22	36	12	0	0	300
1975-1976	23	8	86	30	96	33	61	21	24	8	0	0	290
1976-1977	10	4	73	26	104	37	65	23	29	10	0	0	281
1977-1978	13	5	78	27	110	38	63	22	24	8	0	0	288
Instructional Personnel													
1970-1971	2,796	39%	1,615	21%	1,029	14%	1,149	16%	699	10%	12	*%	7,200
1971-1972	2,781	39	1,560	22	1,033	15	1,070	15	651	9	8	*	7,113
1972-1973	2,860	40	1,643	23	1,011	14	999	14	556	8	11	*	7,070
1973-1974	3,051	43	1,686	23	1,002	14	955	13	474	7	9	*	7,177
1974-1975	3,042	42	1,753	24	1,023	14	920	13	416	6	7	*	7,161
1975-1976	3,233	45	1,744	24	1,024	14	862	12	294	4	9	*	7,166
1976-1977	2,752	39	2,028	29	1,066	15	804	11	352	5	8	*	7,010
1977-1978	2,463	42	1,976	28	1,061	15	791	11	281	4	8	*	7,080

SOURCE: North Dakota Department of Public Instruction, Biennial Reports, 1970-1978.

* Less than 1%.

TABLE 15.25

EXPERIENCE PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, 1970-1978

Academic Year	Experience Level												Total
	1-5 yrs.		6-10 yrs.		11-20 yrs.		21-30 yrs.		31-40 yrs.		41+ yrs.		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Administrative Personnel													
1970-1971	13	5%	12	4%	89	35%	77	30%	38	15%	27	11%	256
1971-1972	13	5	36	14	91	36	52	21	36	14	25	10	253
1972-1973	15	5	28	10	98	34	73	25	33	11	44	15	291
1973-1974	15	5	36	12	101	33	74	24	36	12	48	15	310
1974-1975	14	5	10	3	57	19	71	24	47	16	101	34	300
1975-1976	11	4	21	7	57	20	71	24	44	15	86	30	290
1976-1977	12	4	46	16	121	43	78	28	19	7	5	2	281
1977-1978	14	5	42	15	126	44	79	27	22	8	6	2	288
Instructional Personnel													
1970-1971	2,517	30%	1,132	16%	1,512	21%	980	14%	607	8%	452	6%	7,200
1971-1972	2,392	34	1,173	16	1,495	21	994	14	604	8	455	6	7,113
1972-1973	2,330	33	1,235	17	1,462	21	988	14	623	9	433	6	7,070
1973-1974	2,441	35	1,241	17	1,455	20	1,006	14	603	8	430	6	7,177
1974-1975	2,543	37	878	12	1,238	17	906	13	623	9	923	13	7,161
1975-1976	2,605	36	1,077	15	1,201	17	862	12	483	7	838	12	7,166
1976-1977	3,185	45	1,347	19	1,616	23	682	10	165	2	18	*	7,010
1977-1978	3,069	43	1,441	20	1,255	18	721	10	180	3	14	*	7,080

SOURCE: North Dakota Department of Public Instruction, Biennial Reports, 1970-1978.

* Less than 1%.

TABLE 15.27

ABBREVIATIONS USED FOR NAMES OF NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION

NDSU	North Dakota State University Fargo, North Dakota
UND	University of North Dakota Grand Forks, North Dakota
DSC	Dickinson State College Dickinson, North Dakota
MaSC	Mayville State College Mayville, North Dakota
MiSC	Minot State College Minot, North Dakota
VCSC	Valley City State College Valley City, North Dakota
BJC	Bismarck Junior College Bismarck, North Dakota
NDSU-BB	North Dakota State University--Bottineau Branch Bottineau, North Dakota
LRJC	Lake Region Junior College Devils Lake, North Dakota
WC	University of North Dakota--Williston Center Williston, North Dakota
NDSSS	North Dakota State School of Science Wahpeton, North Dakota
JC	Jamestown College Jamestown, North Dakota
MC	Mary College Bismarck, North Dakota
ESC	Ellendale State College Ellendale, North Dakota

TABLE 15.32

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY SEX AND MARITAL STATUS, 1978

Institution	Sex		Marital Status	
	Male	Female	Single-Divorced	Married
Univ. of North Dakota	4,925	4,259	7,173	2,011
North Dakota State Univ.	4,496	3,159	6,294	1,214
Minot State College	845	1,547	1,968	424
Dickinson State College	467	626	937	156
Valley City State College	500	637	903	234
Mayville State College	310	501	656	155
North Dakota State Univ.-Bottineau	259	322	432	149
North Dakota State School of Science	2,260	1,094	3,062	292
Bismarck Junior College	1,046	1,001	1,552	495
Lake Region Junior College	355	255	Unknown	-----
Univ. of North Dakota-Williston	294	328	509	113
Jamestown College	252	309	460	101
Mary College	294	642	714	222
Total	16,303	14,680	24,660	5,566

SOURCE: North Daktoa Post-Secondary Education Commission, Fall 1978 Enrollments, North Dakota Institutions of Higher Education.

TABLE 15.28

RESIDENCE AND MIGRATION OF COLLEGE STUDENTS, NORTH DAKOTA AND SELECTED OTHER STATES, FALL 1975

State	Students Enrolled[1]	Student Residents[2]	Students Remaining[3]	Ratio of Students Remaining to		Migration of Students		
				Enrolled	Residents	Out of	Into	Net
NORTH DAKOTA	29,766	32,565	24,030	.81	.74	8,535	5,736	- 2,799
South Dakota	31,215	31,254	23,553	.75	.75	7,701	7,662	- 39
Montana	30,672	32,406	24,532	.80	.76	7,874	6,140	- 1,734
Nebraska	74,694	73,165	59,568	.80	.81	13,597	15,126	1,529
Minnesota	182,417	199,832	150,533	.83	.75	49,299	31,884	-17,415
Wyoming	18,027	18,217	12,829	.71	.70	5,388	5,198	- 190

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1977-1978.

[1] "Students enrolled" are students enrolled in the state (those remaining plus the immigrants).

[2] "Student residents" are those with residence in the state, and studying either in or out of the state.

[3] "Students remaining" are students studying in their home state.

TABLE 15.29

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, 1970-1978

Institution	Fall Enrollment for Year:								
	1970	1971	1972	1973	1974	1975	1976	1977	1978
Univ. of North Dakota	8,129	8,395	8,282	8,274	8,171	8,632	8,863	9,363	9,505
North Dakota State Univ.	6,735	6,699	6,671	6,657	6,868	6,957	7,159	7,621	7,707
Minot State College	2,688	2,740	2,526	2,417	2,203	2,205	2,241	2,435	2,390
Dickinson State College	1,626	1,412	1,276	1,148	974	1,002	1,026	1,044	1,093
Valley City State College	1,364	1,189	1,111	972	846	861	870	1,016	1,137
Mayville State College	874	708	620	547	625	675	732	730	811
Bismarck Junior College	1,384	1,632	1,501	1,710	1,812	1,843	1,913	2,179	2,042
North Dakota State Univ.- Bottineau	308	529	538	547	541	562	609	640	578
Lake Region Junior College	666	638	616	607	586	696	612	681	610
Univ. of North Dakota-Williston	485	481	489	568	580	596	540	617	622
North Dakota State School of Science	2,884	3,047	3,073	3,114	3,118	3,068	3,167	3,266	3,287
Jamestown College	645	535	515	491	487	509	574	580	561
Mary College	502	654	763	749	822	847	882	896	936
Total	28,290	28,659	27,981	27,801	27,633	28,453	29,188	31,068	31,279

SOURCE: North Dakota Higher Education Facilities Commission, Fall Headcount Enrollments at North Dakota Institutions of Post-Secondary Education, various years.

Note: Ellendale State College enrollment for 1970 (159) is not included. Ellendale State College closed June 30, 1971.

TABLE 15.30

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, SELECTED YEARS, 1950-1970

Institution	Fall Enrollment for Year:				
	1950	1955	1960	1965	1970
Univ. of North Dakota	2,298	2,958	4,034	6,015	8,129
North Dakota State Univ.	1,947	2,587	3,419	5,006	6,735
Minot State College	764	1,002	1,326	2,005	2,688
Dickinson State College	258	440	647	1,333	1,626
Valley City State College	396	544	804	1,252	1,364
Mayville State College	248	329	588	850	874
Bismarck Junior College	381	441	612	1,060	1,384
North Dakota State Univ.-Bottineau	84	151	189	360	308
Lake Region Junior College	76	30	119	305	666
Univ. of North Dakota-Williston	-----	-----	72	205	485
North Dakota State School of Science	659	860	1,086	2,147	2,884
Jamestown College	341	442	626	508	645
Mary College	-----	-----	74	243	502
Ellendale State College	149	197	173	311	159
Total	7,452	9,784	13,819	21,289	28,449

SOURCE: North Dakota Higher Education Facilities Commission, Fall Headcount Enrollments at North Dakota Institutions of Post-Secondary Education, various years and North Dakota Board of Higher Education and Institutional Officials.

TABLE 15.31

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY PROGRAM STATUS, 1978

Institution	Freshman	Sophomore	Junior	Senior	Graduate	Special	Unclass.	Common Market*	Prof.	Total
UND	2,016	2,056	1,516	1,964	1,291	177	---	---	485	9,505
NDSU	1,869	1,643	1,213	1,596	662	286	86	352	---	7,707
MiSC	1,181	474	325	297	47	66	---	---	---	2,390
DSC	547	242	143	131	-----	16	14	---	---	1,093
VCSC	450	190	149	154	-----	164	30	---	---	1,137
MaSC	268	170	177	127	-----	68	1	---	---	811
Sub-Total, State 4 yr. Colleges	6,331	4,775	3,523	4,269	2,000	777	131	352	485	22,643
BJC	1,006	525	-----	-----	-----	---	511	---	---	2,042
NDSU-BB	321	191	-----	-----	-----	59	7	---	---	578
LRJC	374	139	-----	-----	-----	97	---	---	---	610
UND-WC	364	171	-----	-----	-----	4	83	---	---	622
NDSSS	2,214	1,040	-----	-----	-----	33	---	---	---	3,287
Sub-Total, State 2 yr. Colleges	4,279	2,066	-----	-----	-----	193	601	---	---	7,139
JC	116	96	144	121	-----	84	---	---	---	561
MC	202	176	215	204	6	84	49	---	---	936
Sub-Total, Private Colleges	318	272	359	325	6	168	49	---	---	1,497
TOTAL	10,928	7,113	3,882	4,594	2,006	1,138	781	352	485	31,279

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1978 Enrollments, North Dakota Institutions of Higher Education.

* Students enrolled at Moorhead State University or Concordia College but registered at NDSU for one or more courses.

TABLE 15.33

HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY COUNTY OF STUDENT RESIDENCE, 1978

Counties	UND	NDSU	DSC	VCSC	MaSC	MiSC	BJC	NDSU-BB	LRJC	UND-WC	NDSSS	JC	MC	Total
Adams	19	31	17	-----	1	1	14	3	1	---	31	1	14	133
Barnes	77	121	1	453	8	1	4	2	6	---	79	2	5	759
Benson	72	46	2	11	8	46	3	4	94	2	25	4	9	326
Billings	5	5	21	-----	---	-----	-----	---	---	1	2	---	---	34
Bottineau	80	69	6	4	8	64	14	107	6	5	46	3	6	418
Bowman	21	33	41	-----	1	1	7	1	1	3	15	---	5	129
Burke	38	27	5	1	4	34	1	8	2	38	20	---	2	179
Burleigh	426	282	34	9	6	45	999	6	4	3	98	5	388	2,305
Cass	391	1,902	2	63	21	9	12	13	10	1	248	16	9	2,697
Cavalier	146	59	4	2	27	7	5	4	32	---	57	2	---	345
Dickey	75	59	3	25	8	3	2	4	---	---	57	11	2	249
Divide	35	36	6	1	2	17	3	3	---	21	17	---	1	142
Dunn	16	23	56	-----	---	4	15	---	1	8	18	---	12	153
Eddy	22	36	---	11	6	7	2	1	10	---	25	3	1	124
Emmons	33	45	2	9	1	3	34	2	---	1	49	2	30	211
Foster	30	48	1	22	5	3	3	1	10	1	39	---	3	166
Golden Valley	17	34	18	-----	---	1	6	---	---	5	5	---	6	92
Grand Forks	2,033	148	2	10	77	8	1	8	8	---	170	2	2	2,469
Grant	21	23	24	2	1	11	21	1	1	---	14	4	8	131
Griggs	25	51	---	24	11	1	1	---	1	1	29	1	---	145
Hettinger	27	46	81	-----	1	7	24	---	2	3	21	1	19	232
Kidder	21	32	1	14	4	6	25	1	---	---	26	2	7	139
La Moure	44	70	1	26	3	3	13	5	3	---	70	12	9	259
Logan	24	44	1	17	---	---	15	3	1	---	30	6	11	152
McHenry	56	52	3	6	3	92	25	39	8	1	35	2	8	330
McIntosh	49	67	5	11	1	6	21	---	4	---	47	4	16	231
McKenzie	27	25	37	-----	---	10	6	1	2	60	8	---	10	186
McLean	77	57	13	4	1	62	43	15	2	9	63	1	18	365
Mercer	51	33	30	1	2	10	34	1	1	---	26	5	10	204
Morton	121	138	53	3	1	22	261	4	2	1	49	8	93	756

TABLE 15.34

HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY TYPE OF STUDENT RESIDENCE, FALL 1978

Institution	Dormitory	At Home	Campus Married Housing	Other Off-Campus
Univ. of North Dakota	2,173	377	718	5,916
North Dakota State Univ.	2,842	719	422	3,524
Minot State College	NA	NA	NA	NA
Dickinson State College	566	330	26	171
Valley City State College	588	419	12	118
Mayville State College	489	145	30	147
North Dakota State Univ.-Bottineau	254	280	1	46
North Dakota State School of Science	1,690	361	72	1,231
Bismarck Junior College	267	1,235	2	543
Lake Region Junior College	213	257	8	132
Univ. of North Dakota-Williston	131	245	4	242
Jamestown College	307	190	18	46
Mary College	375	374	14	173
Total	9,895	4,932	1,327	12,289

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1978 Enrollments, North Dakota Institutions of Higher Education.

TABLE 15.37

TUITION, FEES, AND LIVING EXPENSES AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, 1978-79 ACADEMIC YEAR (Per Academic Year)

Institution	Term	Tuition			
		Resident		Non-Resident	
		Full-Time	Part-Time	Full-Time	Part-Time
UND	S	a$ 432.00	$22.71	$1,200.00	$54.71
		b 540.00	27.21	1,308.00	59.21
		c 564.00	28.21	1,332.00	60.21
		d 1,004.00	46.54	1,852.00	81.88
NDSU	Q	a$ 432.00	$14.00	$1,200.00	$35.00
		b 540.00	17.00	1,308.00	38.00
MiSC	Q	a$ 372.00	$10.33	$ 933.00	$25.90
		b 501.00	13.91	1,062.00	29.49
DSC	Q	$ 372.00	$10.33	$ 933.00	$25.91
VCSC	Q	$ 372.00	$10.33	$ 933.00	$25.91
MaSC	Q	$ 372.00	$10.33	$ 933.00	$25.92
NDSSS	Q	$ 372.00	$10.33	$ 933.00	$25.91
NDSU (Bottineau)	Q	$ 372.00	$10.33	$ 933.00	$25.92
MC	S	$1,698.00	$50.00/hr	$1,698.00	$50.00/hr
JC	S	$2,430.00	$62.50/hr	$2,430.00	$62.50/hr
BJC	S	$ 18.00/hr[f]	$18.00/hr	$ 21.00/hr[g] 28.00/hr[i]	$21.00/hr[g] 28.00/hr[i]
LRJC	S	$ 17.00/hr[f]	$19.00/hr	$ 18.00/hr[h] 23.00/hr[i]	$20.00/hr[h] 25.00/hr[i]
UND (Williston)	S	$ 16.00/hr	$18.00/hr	$ 24.00/hr	$26.00/hr

Institution	Fees		Room		Board	
	Full-Time	Part-Time	Double	Single	5-Day	7-Day
UND	a$113.00	$4.71/hr	$410	$ 530	$652	$720
	b 113.00	4.71/hr				
	c 113.00	4.71/hr				
	d 113.00	4.71/hr				
NDSU	a$ 90.00	Included in Tuition	$489 hi-rise	$ 489 hi-rise	$651	$699
	b 90.00		$444 Others	$ 564 Others		

TABLE 15.37--*Continued*

Institution	Fees		Room		Board	
	Full-Time	Part-Time	Double	Single	5-Day	7-Day
MiSC	a$ 96.00 b 96.00	$2.67/hr 2.67/hr	$360	$ 450	$600	---
DSC	$114.00	$3.17/hr	$355.50	$ 519	$600	---
VCSC	$115.50	$3.21/hr	$405	$ 555	$630	---
MaSC	$118.50	$3.29/hr	$360	$ 510	$630	$720
NDSSS	$ 60.00	*	$351 hi-rise $387	-----	Cafeteria	
NDSU (Bottineau)	$127.50	$3.54/hr	$270-315	-----	$588	$636
MC	$ 50.00	-------	$465	$ 515	---	$680
JC	$ 60.00	-------	$600	$ 885	---	$775
BJC	$ 90.00[e]	-------	$390	-----	$590	---
LRJC	$ 35.00[e]	-------	$390 $460	-----	$650	$700
UND (Williston)	$116.00	Included in Tuition	$387	$ 450	$300 500	---

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SOURCE: North Dakota Post-Secondary Education Commission, Programs Offered and Programs Completed at North Dakota's Institutions of Post-Secondary Education.

a Undergraduate.

b Graduate.

c Law.

d Medicine.

e Additional fees for special courses.

f District resident.

g State resident, out of district.

h Out of district resident.

i Out of state.

* Special fees for designated curriculums.

TABLE 15.33--*Continued*

County	UND	NDSU	DSC	VCSC	MaSC	MiSC	BJC	NDSU-BB	LRJC	UND-WC	NDSSS	JC	MC	Total
Mountrail	70	62	17	-----	1	72	14	4	2	25	25	1	7	300
Nelson	65	50	---	18	17	11	---	2	13	---	43	1	---	220
Oliver	4	13	---	5	---	2	17	1	---	---	20	1	6	69
Pembina	172	98	1	8	40	4	---	4	13	---	56	1	6	403
Pierce	70	45	2	12	9	27	8	5	9	---	29	4	4	224
Ramsey	173	83	---	27	15	40	3	3	217	1	39	3	6	610
Ransom	35	78	1	57	5	2	2	5	4	---	40	---	---	229
Renville	28	20	3	3	1	57	9	4	1	2	17	---	4	149
Richland	100	173	---	10	6	2	1	---	2	---	399	7	4	704
Rolette	80	62	4	4	77	26	18	189	19	2	49	1	12	543
Sargent	19	72	---	14	2	3	---	3	2	---	70	---	2	187
Sheridan	22	21	1	3	5	12	14	6	4	---	8	---	3	99
Sioux	13	8	4	1	---	2	89	---	1	---	7	1	21	147
Slope	1	4	24	-----	---	1	4	2	---	2	8	---	---	46
Stark	114	107	381	1	---	13	22	5	1	2	48	2	23	719
Steele	35	43	2	21	11	2	2	---	1	---	40	---	3	160
Stutsman	157	171	10	100	3	10	13	6	7	2	83	240	11	813
Towner	51	48	---	1	6	10	7	8	23	---	24	2	4	184
Traill	104	86	1	4	136	3	1	---	1	---	35	---	4	375
Walsh	265	103	---	5	50	5	1	7	25	---	73	3	5	542
Ward	282	224	17	2	5	1,336	35	28	19	36	123	3	9	2,119
Wells	67	61	4	14	3	12	22	1	10	---	52	5	9	260
Williams	197	134	15	5	2	77	5	5	1	322	44	10	11	828
Unspecified	402	-----	38	9	74	-----	91	1	---	6	-----	---	7	628
Air Force Program	321	-----	---	-----	---	-----	---	---	---	---	-----	---	---	321
Total	6,926	5,408	995	1,052	679	2,213	1,992	526	587	564	2,751	382	865	24,940

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1978 Enrollments, North Dakota Institutions of Higher Education.

TABLE 15.35

HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY RACE, FALL 1978

Institution	American Indian	Afro American	Oriental American	Spanish Surname Am.	American White	Other	No Response
Univ. of North Dakota	179	51	48	20	8,590	99	197
North Dakota State University	38	41	94	22	7,266	47	---
Minot State College	66	63	2	4	1,462	12	783
Dickinson State College	20	3	2	1	1,067	---	---
Valley City State College	5	10	1	3	1,117	1	---
Mayville State College	75	6	---	1	727	2	---
North Dakota State Univ.-Bottineau	151	---	2	--	421	7	---
North Dakota State School of Science	60	6	5	2	3,281	---	---
Bismarck Junior College	148	5	---	--	1,834	60	---
Lake Region Junior College	91	5	---	1	512	1	---
University of North Dakota-Williston	14	---	1	6	601	---	---
Jamestown College	1	20	3	2	535	---	---
Mary College	81	1	2	1	848	3	---
Total	929	211	160	63	28,261	232	980

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1978 Enrollments, North Dakota Institutions of Higher Education.

TABLE 15.36

DEGREES CONFERRED BY NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, FISCAL YEAR, 1978

Institution	Degree								Total Degrees by Institution
	Associate	Bachelors	Masters	Doctorate	Specialist	J.D. (Law)	B.S. Medicine	M.D.	
Univ. of North Dakota	37	1,244	283	32	2	57	64	38	1,757
North Dakota State Univ.	126	1,093	177	14	-	--	--	--	1,410
Minot State College	40	332	33	--	-	--	--	--	405
Mayville State College	36	132	---	--	-	--	--	--	168
Valley City State College	17	163	---	--	-	--	--	--	180
Dickinson State College	39	147	---	--	-	--	--	--	186
Jamestown College	-----	103	---	--	-	--	--	--	103
Mary College	5	173	---	--	-	--	--	--	178
North Dakota State School of Science	604	-----	---	--	-	--	--	--	604
North Dakota State Univ.-Bottineau	82	-----	---	--	-	--	--	--	82
Univ. of North Dakota-Williston	142	-----	---	--	-	--	--	--	142
Lake Region Junior College	76	-----	---	--	-	--	--	--	76
Bismarck Junior College	330	-----	---	--	-	--	--	--	330
Northwest Bible College	11	17	---	--	-	--	--	--	28
Trinity Bible College	66	34	---	--	-	--	--	--	100
Total Degrees by Type	1,611	3,438	493	46	2	57	64	38	5,749

SOURCE: North Dakota Post-Secondary Education Commission, Programs Offered and Programs Compleced at North Dakota Institutions of Post-Secondary Education, July 1, 1977-June 30, 1978.

TABLE 15.38

REVENUES AND EXPENDITURES OF NORTH DAKOTA EDUCATIONAL INSTITUTIONS GOVERNED BY THE STATE BOARD OF HIGHER EDUCATION, 1970-1971 to 1976-1977

Institution	1970-1971		1975-1976		1976-1977	
	Revenues	Expenditures	Revenues	Expenditures	Revenues	Expenditures
UND	25,477,661	24,450,197	48,030,684	46,434,382	52,260,593	50,733,989
NDSU	21,660,064	20,940,351	37,006,005	36,591,832	40,651,666	38,561,222
MiSC	4,608,120	4,387,828	5,780,471	5,366,703	6,768,116	6,620,510
DSC	2,723,254	2,661,030	3,633,138	3,466,297	4,068,408	4,180,700
VCSC	2,503,136	2,354,330	3,102,998	3,152,381	3,583,370	3,337,343
MaSC	1,701,052	1,723,592	2,751,925	2,415,499	2,830,315	2,671,689
NDSU-BB	760,192	820,301	2,138,853	1,484,454	2,125,450	1,686,991
NDSSS	5,355,046	5,008,020	8,623,601	8,740,899	9,186,990	9,020,331

SOURCE: North Dakota State Board of Higher Education, Biennial Reports, various years.

TABLE 15.39

STATE AID TO NORTH DAKOTA JUNIOR COLLEGES*, 1959-1979

Year	Amount Appropriated
1959-1961	$ 230,000
1961-1963	239,000
1963-1965	543,000
1965-1967	830,000
1967-1969	1,162,000
1969-1971	1,733,850
1971-1973	2,068,500
1973-1975	2,266,000
1975-1977	2,768,150
1977-1979	3,636,241

SOURCE: Laws of North Dakota, Appropriations, 1959-1977.

* Bismarck Junior College, Lake Region Junior College, University of North Dakota-Williston Center.

TABLE 15.42

SPECIAL EDUCATION EXPENDITURES FROM STATE FUNDS,
STATE OF NORTH DAKOTA, 1977-78

Category	Number of Children	Number of Staff	State Aid
Speech Correction	5,365	142	$1,002,947
Classes for Educable Mentally Handicapped	1,540	166	719,750
Classes for Trainable Mentallly Handicapped	349	48	226,278
Programs for Specific Learning Disabled	3,143	138	994,111
Classes for Hearing Impaired	78	10	50,250
Programs for Visually Impaired	28	2	20,575
Programs for Emotionally Disturbed	131	13	75,080
Programs for Other Health Impaired	190	---	---------
Programs for Preschool Handicapped	431	32	276,619
Programs for Gifted and Talented	244	3	19,500
Visiting Counselors to Socially and Emotionally Maladjusted Children	129	5	35,000
Educational Evaluators	1,040	6	52,500
Individual Instruction	274	---	44,178
Psychologist and Consultation	404	4	15,900
School Social Workers	383	8	61,000
Occupational Therapy	106	5	22,500
Physical Therapy	41	2	7,500
Physically Handicapped	25	---	---------
Adaptive Physical Education	117	---	3,750

TABLE 15.42--*Continued*

Category	Number of Children	Number of Staff	State Aid
Other	179	----	$ 4,586
Student Transportation	1,043	----	234,403
Boarding/Foster Care	162	----	78,136
Student Group Home	10	----	87,786
Local Directors of Special Education	-----	19.3	257,786
Local Program Coordinators	-----	12.5	123,760
Staff Transportation	-----	-----	39,944
Aids (Assigned to Classes for Educable/Trainable Mentally Handicapped, Preschool Handicapped and School Psychologists)	-----	90.6	167,794
Materials and Equipment	-----	----	51,709
Contracted Services			37,178
Large Print Materials	23	----	14,636
Total	15,435	706.4	$4,646,156

SOURCE: North Dakota Department of Public Instruction, North Dakota Educational Facts, 1977-78.

16.00

GOVERNMENT AND ELECTIONS

The subjects of this section are North Dakota government and politics. Nationwide data presented here include state comparisons of voting patterns in national elections and the composition of state legislatures. State-level data show county voting patterns for national and state officials in the 1976 and 1978 general elections. Also included are lists of North Dakota Governors, Lieutenant Governors, U.S. Senators, and U.S. Representatives from statehood to the present as well as a listing of members of the most recent North Dakota Legislative Assembly.

Chief source of national data is the *Statistical Abstract of the United States*. Most state data come from the North Dakota Secretary of State's Office, which is responsible for certifying election results. Additional data sources include the North Dakota Legislative Council and a U.S. Bureau of the Census publication entitled *Governmental Organization*.

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TABLE 15.40

TOTAL ENROLLMENT IN VOCATIONAL EDUCATION, NORTH DAKOTA AND SELECTED OTHER STATES, FISCAL YEAR, 1976

					Adult				
State	Total	Female	Secondary	Post-Secondary	Preparatory	Supplement.	Appren.	Cooperative	Completions
NORTH DAKOTA	55,096	28,040	37,037	6,177	639	10,316	927	3,455	6,991
South Dakota	31,973	17,455	24,639	2,596	---	4,444	294	1,843	6,087
Montana	36,244	16,537	23,919	4,629	506	6,454	736	779	17,166
Nebraska	110,955	46,704	57,392	10,799	17	41,773	974	2,902	14,660
Minnesota	387,857	163,929	163,706	38,189	---	177,382	8,580	16,550	67,625
Wyoming	22,163	11,570	16,992	3,426	844	726	175	2,045	4,871

SOURCE: U.S. Office of Education, Bureau of Occupational and Adult Education, Vocational and Technical Education, Selected Statistical Tables, Fiscal Year 1976.

TABLE 15.41

EXPENDITURES OF FEDERAL, STATE, AND LOCAL FUNDS FOR VOCATIONAL EDUCATION: UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, FISCAL YEARS, 1975 AND 1976

State	1975 ($000)				1976 ($000)			
	Total	Federal	State and Local	Percent State & Local	Total	Federal	State and Local	Percent State & Local
United States*	$4,037,277	$536,140	$3,501,137	86.7%	$5,150,225	$543,211	$4,607,014	89.5%
NORTH DAKOTA	9,505	2,351	7,154	75.3	11,855	2,363	9,492	80.1
South Dakota	9,247	2,961	6,286	68.0	9,405	2,559	6,846	72.8
Montana	10,264	2,484	7,780	75.8	20,074	2,188	17,866	89.0
Nebraska	18,706	4,420	14,286	76.4	18,863	4,261	14,602	77.4
Minnesota	94,519	8,321	86,198	91.2	113,525	12,979	100,546	88.6
Wyoming	6,410	1,305	5,105	79.6	6,047	1,129	4,919	81.3

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1977-1978.

* Includes U.S. possessions and trust territories.

TABLE 16.01

LOCAL GOVERNMENTS BY NORTH DAKOTA COUNTY, 1977

	Local governments[1]					Intercounty units serving part of this county but centered in another[2]		
County	Total, including county gov.	Munici-palities	Townships	School districts	Special districts	Munici-palities	School districts	Special districts
Adams	46	4	22	13	6	-	3	1
Barnes	89	14	41	16	17	1	6	2
Benson	76	9	37	14	15	-	7	3
Billings	5	1	--	1	2	-	--	2
Bottineau	94	15	44	13	21	-	3	2
Bowman	49	4	25	9	10	-	1	3
Burke	57	7	29	7	13	-	2	--
Burleigh	73	4	40	17	11	1	3	2
Cass	117	20	50	17	29	-	4	4
Cavalier	81	13	40	12	15	-	4	2
Dickey	64	7	32	9	15	-	4	6
Divide	51	4	32	6	8	-	4	2
Dunn	23	4	--	8	10	-	2	4
Eddy	36	2	18	5	10	-	3	4
Emmons	38	5	9	12	11	-	3	1
Foster	38	3	18	6	10	-	1	3
Golden Valley	28	3	11	5	8	-	--	--
Grand Forks	80	10	41	13	15	1	4	2
Grant	37	4	15	7	10	-	3	2
Griggs	41	3	20	8	9	-	5	3

TABLE 16.02

ESTIMATED VOTING AGE POPULATION AND PERCENT CASTING VOTES BY STATE, 1972-1976

State	Voting Age Population* (Thousands)		% Casting Votes For Presidential Electors		% Casting Votes For U.S. Representatives	
	1972	1976	1972	1976	1972	1976
U.S.	140,068	150,041	55.5%	54.4%	50.9%	49.5%
Ala.	2,314	2,501	43.4	47.3	42.0	39.4
Alaska	197	231	48.3	53.5	48.4	51.2
Ariz.	1,295	1,555	48.1	47.8	45.9	46.9
Ark.	1,354	1,503	48.1	51.1	13.8	22.4
Calif.	13,969	15,294	59.9	51.4	58.1	48.7
Colo.	1,586	1,773	60.1	61.0	57.6	57.6
Conn.	2,089	2,211	66.3	62.5	64.7	61.0
Del.	378	403	62.3	58.5	59.8	53.3
D.C.	530	514	43.2	32.8	30.1	31.1
Fla.	5,242	6,326	49.3	49.8	36.9	32.9
Ga.	3,098	3,375	37.9	43.5	28.8	37.1
Hawaii	536	600	50.4	48.6	51.3	49.0
Idaho	491	567	63.2	60.7	61.4	60.3
Ill.	7,532	7,718	62.7	61.1	58.2	56.6
Ind.	3,496	3,640	60.8	61.0	60.4	57.8
Iowa	1,936	2,010	63.3	63.6	61.8	61.8
Kans.	1,553	1,610	59.0	59.5	56.6	56.5
Ky.	2,204	2,374	48.4	49.2	44.7	41.7
La.	2,373	2,532	44.3	50.5	28.6	40.1
Maine	683	741	61.1	65.2	60.5	63.9
Md.	2,690	2,863	50.3	50.3	45.3	46.0
Mass.	3,968	4,173	62.0	61.0	54.4	56.2
Mich.	5,868	6,268	59.5	58.3	55.8	54.8
Minn.	2,546	2,721	68.4	71.7	66.4	66.0
Miss.	1,435	1,544	45.0	49.8	41.0	41.2
Mo.	3,228	3,348	57.5	58.4	56.8	56.9
Mont.	469	518	67.7	63.5	67.2	62.0
Nebr.	1,030	1,080	56.0	56.2	55.2	55.7
Nev.	357	424	50.9	47.6	50.6	47.1
N.H.	520	574	64.2	59.2	60.5	56.7
N.J.	4,997	5,154	60.0	58.5	56.7	54.5
N. Mex.	671	771	57.6	54.3	55.7	52.0
N.Y.	12,663	12,910	56.6	50.6	52.2	46.4
N.C.	3,496	3,847	43.4	43.6	38.6	40.9
N. DAK.	413	432	67.9	68.8	65.1	67.1

TABLE 16.02--*Continued*

State	Voting Age Population* (Thousands)		% Casting Votes For Presidential Electors		% Casting Votes For U.S. Representatives	
	1972	1976	1972	1976	1972	1976
Ohio	7,123	7,459	57.5%	55.1%	53.9%	51.5%
Okla.	1,809	1,937	56.9	56.4	45.2	55.1
Oreg.	1,503	1,653	61.7	62.3	57.9	56.1
Pa.	8,193	8,441	56.1	54.7	54.5	52.5
R.I.	671	648	62.0	63.5	57.8	60.0
S.C.	1,748	1,933	38.6	41.5	36.1	40.5
S. Dak.	447	469	68.8	64.1	67.3	62.9
Tenn.	2,758	2,958	43.6	49.9	40.0	42.3
Tex.	7,655	8,503	45.4	47.9	37.7	43.1
Utah	699	783	68.5	69.1	67.7	69.5
Vt.	306	327	61.1	56.2	60.8	56.5
Va.	3,202	3,528	45.5	48.1	39.7	41.5
Wash.	2,306	2,536	63.8	61.3	56.5	56.2
W. Va.	1,221	1,281	62.4	58.6	59.1	51.8
Wis.	2,991	3,211	62.0	65.5	60.2	61.1
Wyo.	229	266	63.6	58.8	63.9	57.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1977.

* Based on population as of November 1. Includes Armed Forces stationed in each state, aliens, and institutional population. Note that voting age since 1972 has been 18 years of age or over.

TABLE 16.01--*Continued*

County	Local governments[1]					Intercounty units serving part of this county but centered in another[2]		
	Total, including county gov.	Munici-palities	Townships	School districts	Special districts	Munici-palities	School districts	Special districts
Hettinger	50	3	32	5	9	-	1	--
Kidder	68	6	37	13	11	-	8	2
La Moure	72	8	32	13	18	-	6	--
Logan	27	4	11	5	6	1	3	2
McHenry	93	14	44	14	20	-	5	5
McIntosh	23	5	1	6	10	-	2	2
McKenzie	55	4	24	9	17	-	1	2
McLean	75	11	32	11	20	-	2	4
Mercer	31	6	--	9	15	-	4	1
Morton	36	6	2	11	16	-	2	--
Mountrail	84	8	49	11	15	-	5	1
Nelson	61	7	27	7	19	-	1	2
Oliver	20	1	--	9	9	-	6	5
Pembina	63	12	24	8	18	1	1	1
Pierce	37	4	15	7	10	-	3	4
Ramsey	65	9	34	8	13	-	2	3
Ransom	54	5	24	11	13	-	6	3
Renville	48	6	24	9	8	-	5	1
Richland	90	14	36	10	29	-	2	--
Rolette	37	5	8	9	14	-	3	1

TABLE 16.01--*Continued*

County	Local governments[1]					Intercounty units serving part of this county but centered in another[2]		
	Total, including county gov.	Munici-palities	Townships	School districts	Special districts	Munici-palities	School districts	Special districts
Sargent	50	7	24	6	12	-	3	--
Sheridan	34	3	14	5	11	-	3	5
Sioux	14	3	1	7	2	-	--	--
Slope	39	2	22	8	6	-	5	2
Starke	30	6	--	9	14	-	1	1
Steele	43	4	20	10	8	-	6	2
Stutsman	109	10	62	20	16	-	7	4
Towner	57	8	28	9	11	1	5	4
Traill	61	9	25	10	16	1	2	2
Walsh	98	13	36	20	28	-	8	2
Ward	105	12	57	21	14	-	7	4
Wells	67	7	36	10	13	-	4	1
Williams	91	10	55	9	16	-	--	1
NORTH DAKOTA	3,010	368	1,360	527	702	7	181	115

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, 1977 Census of Governments, Vol. 1, Number 1, Governmental Organization, GC 77 (1)-1.

[1] Includes intercounty units serving part of this county but centered in another, as well as governments centered in this county.

[2] Each intercounty government is geographically assigned to the county where its headquarters are located.

TABLE 16.03

POPULAR VOTE CAST FOR PRESIDENT AND PERCENT OF VOTE FOR MAJORITY PARTY BY REGION AND STATE, 1948-1976

(In thousands, except percent. D=Democratic, R=Republican. Majority party vote refers to the party vote representing either a majority or a plurality for the victorious party.)

State	1948		1952		1956		1960	
	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party
United States	48,794	D-49.6%	61,551	R-55.1%	62,027	R-57.4%	68,838	D-49.7%
Alabama	215	(1)	426	D-64.6	497	D-56.5	570	D-56.8
Alaska	(X)	(X)	(X)	(X)	(X)	(X)	61	D-50.9
Arizona	177	D-53.8	261	R-58.3	290	R-61.0	398	R-55.5
Arkansas	242	D-61.7	405	D-55.9	407	D-52.5	429	D-50.2
California	4,022	D-47.6	5,142	R-56.3	5,466	R-55.4	6,507	R-50.1
Colorado	515	D-51.9	630	R-60.3	657	R-60.0	736	R-54.6
Connecticut	884	R-49.5	1,097	R-55.7	1,117	R-63.7	1,223	D-53.7
Delaware	139	R-50.0	174	R-51.8	178	R-55.1	197	D-50.6
Dist. of Columbia	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Florida	578	D-48.8	989	R-55.0	1,126	R-57.2	1,544	R-51.5
Georgia	419	D-60.8	656	D-69.7	670	D-66.4	733	D-62.5
Hawaii	(X)	(X)	(X)	(X)	(X)	(X)	185	(2)
Idaho	215	D-50.0	276	R-65.4	273	R-61.2	300	R-53.8
Illinois	3,984	D-50.1	4,481	R-54.8	4,407	R-59.5	4,757	D-50.0
Indiana	1,656	R-49.6	1,955	R-58.1	1,975	R-59.9	2,135	R-55.0

TABLE 16.03--*Continued*

State	1948		1952		1956		1960	
	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party
Iowa	1,038	D-50.3%	1,269	R-63.8%	1,235	R-59.1%	1,274	R-56.7%
Kansas	789	R-53.6	896	R-68.8	866	R-65.4	929	R-60.4
Kentucky	823	D-56.7	993	D-49.9	1,054	R-54.3	1,124	R-53.6
Louisiana	416	(1)	652	D-52.9	618	R-53.3	808	D-50.4
Maine	265	R-56.4	352	R-66.0	352	R-70.9	422	R-57.0
Maryland	597	R-49.4	902	R-55.4	933	R-60.0	1,055	D-53.6
Massachusetts	2,107	D-54.7	2,383	R-54.2	2,349	R-59.3	2,469	D-60.2
Michigan	2,110	R-49.2	2,799	R-55.4	3,080	R-55.6	3,318	D-50.9
Minnesota	1,212	D-57.2	1,379	R-55.3	1,340	R-53.7	1,542	D-50.6
Mississippi	192	(1)	286	D-60.4	248	D-58.2	298	D-36.3
Missouri	1,579	D-58.1	1,892	R-50.7	1,833	D-50.1	1,934	D-50.3
Montana	224	D-53.1	265	R-59.4	271	R-57.1	278	R-51.1
Nebraska	489	R-54.2	610	R-69.2	577	R-65.5	613	R-62.1
Nevada	62	D-50.4	82	R-61.4	97	R-58.0	107	D-51.2
New Hampshire	231	R-52.4	273	R-60.9	267	R-66.1	296	R-53.4
New Jersey	1,950	R-50.3	2,419	R-56.8	2,484	R-64.7	2,773	D-50.0
New Mexico	187	D-56.4	239	R-55.4	254	R-57.8	311	D-50.2
New York	6,177	R-46.0	7,128	R-55.5	7,096	R-61.2	7,291	D-52.5
North Carolina	791	D-58.0	1,211	D-53.9	1,166	D-50.7	1,369	D-52.1
NORTH DAKOTA	221	R-52.2	270	R-71.0	254	R-61.7	278	R-55.4

TABLE 16.03--*Continued*

State	1948		1952		1956		1960	
	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party
Ohio	2,936	D-49.5%	3,701	R-56.8%	3,702	R-61.1%	4,162	R-53.3%
Oklahoma	722	D-62.7	949	R-54.6	859	R-55.1	903	R-59.0
Oregon	524	R-49.8	695	R-60.5	736	R-55.2	776	R-52.6
Pennsylvania	3,735	R-50.9	4,581	R-52.7	4,577	R-56.5	5,007	D-51.1
Rhode Island	328	D-57.6	414	R-50.9	388	R-58.3	406	D-63.6
South Carolina	143	(1)	341	D-50.7	301	D-45.4	387	D-51.2
South Dakota	250	R-51.8	294	R-69.3	294	R-58.4	306	R-58.2
Tennessee	550	D-49.1	893	R-50.0	939	R-49.2	1,052	R-52.9
Texas	1,250	D-66.0	2,076	R-53.1	1,955	R-55.3	2,311	D-50.5
Utah	276	D-54.0	330	R-58.9	334	R-64.6	375	R-54.8
Vermont	123	R-61.5	154	R-71.5	153	R-72.2	167	R-58.6
Virginia	419	D-47.9	620	R-56.3	698	R-55.4	771	R-52.4
Washington	905	D-52.6	1,103	R-54.3	1,151	R-53.9	1,242	R-50.7
West Virginia	749	D-57.3	874	D-51.9	831	R-54.1	838	D-52.7
Wisconsin	1,277	D-50.7	1,607	R-61.0	1,551	R-61.6	1,729	R-51.8
Wyoming	101	D-51.6	129	R-62.7	124	R-60.1	141	R-55.0

TABLE 16.05

NORTH DAKOTA GOVERNORS AND LIEUTENANT GOVERNORS, STATEHOOD - PRESENT*

Governors	Term
John Miller (R) (1843-1908) Elected 1889; didn't seek re-election 1890	1889-1890
Andrew H. Burke (R) (1850-1918) Elected 1890; defeated for re-election 1892	1891-1892
Eli C. D. Shortridge (Pop) (1830-1908) Elected 1892; didn't seek re-election 1894	1893-1894
Roger Allin (R) (1848-1936) Elected 1894; didn't seek re-election 1896	1895-1896
Frank A. Briggs (R) (1858-1898) Elected 1896; died in office, August 9, 1898	1897-1898
Joseph M. Devine (R) (1861-1938) Lieutenant Governor; completed Frank Briggs' term	1898-1898
Frederick B. Fancher (R) (1852-1944) Elected 1898; defeated for renomination 1900	1899-1900
Frank White (R) (1856-1940) Elected 1900, 1902; didn't seek re-election 1904	1901-1904
Elmore Y. Sailes (R) (1859-1929) Elected 1904; defeated for re-election 1906	1905-1906
John Burke (D) (1859-1937) Elected 1906, 1908, 1910; didn't seek re-election 1912	1907-1912
Louis B. Hanna (R) (1861-1948) Elected 1912, 1914; didn't seek re-election 1916	1913-1916
Lynn J. Frazier (R) (1874-1947) Elected 1916, 1918, 1920; recalled October 28, 1921	1917-1921
Ragnvold A. Nestos (R) (1877-1942) Elected 1921, 1922; defeated for re-election 1924	1921-1924
Arthur G. Sorlie (R) (1874-1928) Elected 1924, 1926; died in office, August 28, 1928	1925-1928
Walter J. Maddock (R) (1880-1951) Lieutenant Governor; completed Arthur Sorlie's term	1928-1928
George F. Shafer (R) (1888-1948) Elected 1928, 1930; didn't seek re-election 1932	1929-1932
William Langer (R) (1886-1959) Elected 1932; removed from office July 17, 1934	1933-1934
Ole H. Olson (R) (1872-1954) Lieutenant Governor; completed William Langer's term	1934-1934
Thomas H. Moodie (D) (1878-1948) Elected 1934; removed from office, February 16, 1935	1935-1935
Walter Welford (R) (1868-1952) Lieutenant Governor; completed Thomas Moodie's term; defeated for election 1936	1935-1936
William Langer (R) (1886-1959) Elected 1936; didn't seek re-election 1938	1937-1938
John Moses (D) (1885-1945) Elected 1938, 1940, 1942; didn't seek re-election 1944	1939-1944
Fred G. Aandahl (R) (1897-1966) Elected 1944, 1946, 1948; didn't seek re-election 1950	1945-1950
C. Norman Brunsdale (R) (1891-1957) Elected 1950, 1952, 1954; didn't seek re-election 1956	1951-1956
John F. Davis (R) (1913-) Elected 1956, 1958; didn't seek re-election 1960	1957-1960

TABLE 16.05--*Continued*

Governors	Term
William L. Guy (D) (1919-) Elected 1960, 1962, 1964, 1968; didn't seek re-election 1972	1961-1972
Arthur A. Link (D) (1914-) Elected 1972, 1976	1973-

Lieutenant Governors	Term
Alfred Dickey (R) (1846-1901) Elected 1889; didn't seek renomination 1890	1889-1890
Roger Allin (R) (1848-1936) Elected 1890; defeated for renomination at 1892 Republican convention	1891-1892
Elmer D. Wallace (Pop.) (1844-1928) Elected 1892; didn't seek re-election 1894	1893-1894
John H. Worst (R) (1850-1945) Elected 1894; defeated for renomination at 1896 Republican convention	1895-1896
Joseph M. Devine (R) (1861-1938) Elected 1896, 1898; didn't seek re-election 1900	1897-1900
David Barlett (R) (1854-1913) Elected 1900, 1902, 1904; didn't seek re-election 1906	1901-1906
Robert S. Lewis (R) (1856-1956) Elected 1906, 1908; didn't seek re-election 1910	1907-1910
Usher L. Burdick (R) (1879-1960) Elected 1910; didn't seek re-election 1912	1911-1912
Anton T. Kraabel (R) (1862-1934) Elected 1912; defeated in June 1914 Republican primary	1913-1914
John H. Fraine (R) (1861-1943) Elected 1914; didn't seek re-election 1916	1915-1916
Anton T. Kraabel (R) (1862-1934) Elected 1916; defeated in June 1918 Republican primary	1917-1918
Howard R. Wood (R) (1887-1958) Elected 1918, 1920; didn't seek re-election 1922	1919-1922
Frank H. Hyland (R) (1880-1934) Elected 1922; didn't seek re-election 1924	1923-1924
Walter J. Maddock (R) (1880-1951) Elected 1924, 1926; didn't seek re-election 1928	1925-1928
John W. Carr (R) (1874-1932) Elected 1928, 1930; died in office, June 14, 1932	1929-1932
Ole H. Olson (R) (1872-1954) Elected 1932; defeated in June 1934 Republican primary	1933-1934
Walter Welford (R) (1868-1952) Elected 1934; didn't seek re-election 1936	1935-1936
Thorstein H.H. Thoresen (R) (1885-1956) Elected 1936; didn't seek re-election 1938	1937-1938
Jack A. Patterson (R) (1890-) Elected 1938; didn't seek re-election 1940	1939-1940
Oscar W. Hagen (R) (1884-1945) Elected 1940; didn't seek re-election 1942	1941-1942
Henry Holt (D) (1888-1944) Elected 1942; died in office, March 2, 1944	1943-1944
Clarence P. Dahl (R) (1892-1976) Elected 1944, 1946, 1948; didn't seek re-election 1950	1945-1950
Ray Schnell (R) (1893-1970) Elected 1950; defeated in June 1952 Republican primary	1951-1952

TABLE 16.03--*Continued*

State	1964 Vote	1964 % for Majority Party	1968 Vote	1968 % for Majority Party	1972 Vote	1972 % for Majority Party	1976 Vote	1976 % for Majority Party
United States	70,645	D-61.1%	73,212	R-43.4%	77,719	R-60.7%	81,551	D-50.1%
Alabama	690	R-69.5	1,050	(3)	1,006	R-72.4	1,183	D-55.7
Alaska	67	D-65.9	83	R-45.3	95	R-58.1	124	R-57.9
Arizona	481	R-50.4	487	R-54.8	623	R-64.7	743	R-56.4
Arkansas	560	D-56.1	620	(3)	651	R-68.9	768	D-65.0
California	7,058	D-59.1	7,252	R-47.8	8,368	R-55.0	7,867	R-49.3
Colorado	777	D-61.3	811	R-50.5	954	R-62.6	1,082	R-54.0
Connecticut	1,219	D-67.8	1,256	D-49.5	1,384	R-58.6	1,382	R-52.1
Delaware	201	D-60.9	214	R-45.1	236	R-59.6	236	D-52.0
Dist. of Columbia	199	D-85.5	171	D-81.8	163	D-78.1	169	D-81.6
Florida	1,854	D-51.1	2,188	R-40.5	2,583	R-71.9	3,151	D-51.9
Georgia	1,139	R-54.1	1,250	(3)	1,175	R-75.0	1,467	D-66.7
Hawaii	207	D-78.8	236	D-59.8	270	R-62.5	291	D-50.6
Idaho	292	D-50.9	291	R-56.8	310	R-64.2	344	R-59.3
Illinois	4,703	D-59.5	4,620	R-47.1	4,723	R-59.0	4,719	R-50.1
Indiana	2,092	D-56.0	2,124	R-50.3	2,126	R-66.1	2,220	R-53.3
Iowa	1,185	D-61.9	1,168	R-53.0	1,226	R-57.6	1,279	R-49.5
Kansas	858	D-54.1	873	R-54.8	916	R-67.7	958	R-52.5
Kentucky	1,046	D-64.0	1,056	R-43.8	1,067	R-63.4	1,167	D-52.8
Louisiana	896	R-56.8	1,097	(3)	1,051	R-65.3	1,278	D-51.7
Maine	381	D-68.8	393	D-55.3	417	R-61.5	483	R-48.9

TABLE 16.03--*Continued*

State	1964		1968		1972		1976	
	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party
Maryland	1,116	D-65.5%	1,235	D-43.6%	1,354	R-61.3%	1,440	D-52.8%
Massachusetts	2,345	D-76.2	2,332	D-63.0	2,459	D-54.2	2,548	D-56.1
Michigan	3,203	D-66.7	3,306	D-48.2	3,490	R-56.2	3,654	R-51.8
Minnesota	1,554	D-63.8	1,589	D-54.0	1,742	R-51.6	1,950	D-54.9
Mississippi	409	R-87.1	655	(3)	646	R-78.2	769	D-49.6
Missouri	1,818	D-64.0	1,810	R-44.9	1,856	R-62.2	1,954	D-51.1
Montana	279	D-58.9	274	R-50.6	318	R-57.9	329	R-52.8
Nebraska	584	D-52.6	537	R-59.8	576	R-70.5	607	R-59.2
Nevada	135	D-58.6	154	R-47.5	182	R-63.7	202	R-50.2
New Hampshire	288	D-63.9	297	R-52.1	334	R-64.0	340	R-54.7
New Jersey	2,848	D-65.6	2,875	R-46.1	2,997	R-61.6	3,014	R-50.1
New Mexico	329	D-59.0	327	R-51.8	386	R-61.0	418	R-50.5
New York	7,166	D-68.6	6,792	D-49.7	7,166	R-58.5	6,534	D-51.9
North Carolina	1,425	D-56.2	1,587	R-39.5	1,519	R-69.5	1,679	D-55.2
NORTH DAKOTA	258	D-58.0	248	R-55.9	281	R-62.1	297	R-51.6
Ohio	3,969	D-62.9	3,960	R-45.2	4,095	R-59.6	4,112	D-48.9
Oklahoma	932	D-55.7	943	R-47.7	1,030	R-73.7	1,092	R-50.0
Oregon	786	D-63.7	820	R-49.8	928	R-52.4	1,030	R-47.8
Pennsylvania	4,823	D-64.9	4,748	D-47.6	4,592	R-59.1	4,621	D-50.4
Rhode Island	390	D-80.9	385	D-64.0	416	R-53.0	411	D-55.4

TABLE 16.03--*Continued*

	1964		1968		1972		1976	
State	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party	Vote	% for Majority Party
South Carolina	525	R-58.9%	667	R-38.1%	674	R-70.8%	803	D-56.2%
South Dakota	293	D-55.6	281	R-53.3	307	R-54.2	301	R-50.4
Tennessee	1,144	D-55.5	1,249	R-37.8	1,201	R-67.7	1,476	D-55.9
Texas	2,627	D-63.3	3,079	D-41.1	3,471	R-66.2	4,072	D-51.1
Utah	401	D-54.7	423	R-56.5	478	R-67.6	541	R-62.4
Vermont	163	D-66.3	161	R-52.8	187	R-62.7	184	R-54.6
Virginia	1,042	D-53.5	1,361	R-43.4	1,457	R-67.8	1,697	R-49.3
Washington	1,259	D-62.0	1,304	D-47.2	1,471	R-56.9	1,556	R-50.0
West Virginia	792	D-67.9	754	D-49.6	762	R-63.6	751	D-58.0
Wisconsin	1,692	D-62.1	1,692	R-47.9	1,853	R-53.4	2,104	D-49.4
Wyoming	143	D-56.6	127	R-55.8	146	R-69.0	156	R-59.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1977.

X Not applicable.

[1] Vote represented a victory for Thurmond (States' Rights Democratic Party) as follows: Alabama, 79.7 percent; Louisiana, 49.1 percent; Mississippi, 87.2 percent; and South Carolina, 72.0 percent.

[2] Percentages of 50.0 for both parties based on following vote: Democratic, 92,410; Republican, 92,295.

[3] Vote represented a victory for Wallace (American Independent Party) as follows: Alabama, 65.8 percent; Arkansas, 38.9 percent; Georgia, 42.9 percent; Louisiana, 48.3 percent; and Mississippi, 63.4 percent.

TABLE 16.04

VOTES CAST FOR PRESIDENTIAL CANDIDATES IN THE 1976 GENERAL ELECTION BY NORTH DAKOTA COUNTY*

	Presidential Electors										
County	FORD Rep.	CARTER Dem.	ANDERSON Amer.	HALL Comm.	MACBRIDE Libt.	BUBAR Proh.	CAMEJO Soc. Wok.	ZEIDLER Soc.	McCARTHY Ind.	MADDOX Am. Ind.	LaROUCHE Jr. U.S. Labor
Adams	940	959	11	1	2	--	--	--	23	---	1
Barnes	4,011	3,321	45	3	4	1	--	--	72	4	1
Benson	1,689	1,973	26	1	3	--	--	--	25	7	1
Billings	351	285	27	---	---	--	--	--	18	2	1
Bottineau	2,638	1,987	26	---	5	1	--	1	36	4	2
Bowman	1,033	911	24	1	---	--	--	--	25	3	1
Burke	1,087	899	77	1	---	--	1	1	21	1	1
Burleigh	13,680	9,188	413	2	20	3	3	7	217	14	2
Cass	22,583	17,879	203	16	50	9	11	6	598	34	22
Cavalier	2,046	2,178	49	---	---	--	--	--	27	---	---
Dickey	2,027	1,612	37	1	---	--	--	--	30	1	1
Divide	881	1,057	14	---	3	6	--	--	15	1	1
Dunn	1,041	1,051	50	---	---	--	--	--	14	1	---
Eddy	890	1,123	22	---	1	--	1	--	14	2	1
Emmons	1,370	1,459	134	---	1	--	--	1	14	3	2
Foster	1,120	1,147	9	1	2	--	--	--	25	1	---
Golden Valley	633	479	80	---	---	--	--	--	13	2	1
Grand Forks	13,820	11,545	415	21	27	1	4	8	350	17	10
Grant	1,205	952	78	---	---	--	--	--	18	3	2
Griggs	1,086	1,122	32	---	---	--	--	--	21	1	---

TABLE 16.04--*Continued*

County	Presidential Electors FORD Rep.	CARTER Dem.	ANDERSON Amer.	HALL Comm.	MACBRIDE Libt.	BUBAR Proh.	CAMEJO Soc. Wok.	ZEIDLER Soc.	McCARTHY Ind.	MADDOX Am. Ind.	LaROUCHE Jr. U.S. Labor
Hettinger	1,135	1,095	45	1	---	--	--	--	20	4	2
Kidder	954	936	113	1	2	1	--	--	13	2	1
La Moure	1,735	1,718	48	--	2	6	--	--	26	---	3
Logan	944	809	101	--	---	--	--	--	16	5	1
McHenry	2,043	1,994	24	--	2	4	--	1	43	---	---
McIntosh	1,785	912	66	--	3	--	--	--	6	2	2
McKenzie	1,595	1,335	27	--	1	1	--	--	12	5	2
McLean	2,729	2,815	66	2	3	4	--	--	41	1	4
Mercer	1,982	1,298	---	--	1	--	--	1	33	1	---
Morton	4,921	5,241	198	1	7	3	1	--	82	2	6
Mountrail	1,430	2,189	47	1	1	2	--	--	34	4	---
Nelson	1,336	1,610	35	1	1	3	1	1	27	---	---
Oliver	575	529	20	--	---	--	--	--	13	2	1
Pembina	2,810	2,274	57	---	10	1	1	--	53	---	3
Pierce	1,396	1,434	32	--	---	--	1	--	21	2	1
Ramsey	3,293	3,096	40	1	6	1	--	--	53	9	3
Ransom	1,696	1,715	17	1	1	1	1	--	23	---	1
Renville	812	1,008	14	--	---	--	--	--	9	3	---
Richland	4,991	4,592	91	1	8	2	1	--	94	4	1
Rolette	1,094	2,531	24	2	---	1	1	1	37	---	2

TABLE 16.04--*Continued*

County	Presidential Electors										
	FORD Rep.	CARTER Dem.	ANDERSON Amer.	HALL Comm.	MACBRIDE Libt.	BUBAR Proh.	CAMEJO Soc. Wok.	ZEIDLER Soc.	McCARTHY Ind.	MADDOX Am. Ind.	LaROUCHE Jr. U.S. Labor
Sargent	1,344	1,644	18	--	1	--	--	--	22	2	---
Sheridan	935	569	19	--	1	--	1	--	10	1	---
Sioux	354	697	15	--	1	--	--	--	13	---	1
Slope	355	347	8	--	---	--	1	--	12	3	---
Stark	4,374	4,076	193	1	7	4	--	1	70	27	7
Steele	835	1,066	10	--	1	--	2	--	12	---	---
Stutsman	5,653	4,883	115	4	7	2	1	1	99	14	1
Towner	993	1,216	12	1	---	--	--	--	10	1	1
Traill	2,800	2,352	27	4	3	--	1	--	56	6	2
Walsh	3,518	3,555	142	2	6	1	--	--	79	6	---
Ward	12,751	9,484	176	7	24	4	5	2	229	27	12
Wells	1,941	1,742	38	1	1	--	--	--	35	6	3
Williams	4,230	4,189	88	4	35	1	5	6	73	29	32
NORTH DAKOTA	153,470	136,078	3,698	85	256	63	43	38	2,952	269	142

SOURCE: North Dakota Secretary of State.

* Election held 11/2/76.

TABLE 16.05--*Continued*

Lieutenant Governors	Term
Clarence P. Dahl (R) (1892-1976) Elected 1952, 1954; didn't seek re-election 1956	1953-1956
Francis Clyde Duffy (R) (1890-1977) Elected 1956; didn't seek re-election 1958	1957-1958
Clarence P. Dahl (R) (1892-1976) Elected 1958; didn't seek re-election 1960	1959-1960
Orville W. Hagen (R) (1915-) Elected 1960; didn't seek re-election 1962	1961-1962
Frank A. Wenstrom (R) (1903-) Elected 1962; defeated in November 1964 general election	1963-1964
Charles Tighe (D) (1927-) Elected 1964; defeated in November 1968 general election	1965-1968
Richard F. Larsen (R) (1936-) Elected 1968; didn't seek re-election 1972	1969-1972
Wayne G. Sanstead (D) (1935-) Elected 1972, 1976	1973-

SOURCE: North Dakota Secretary of State.

* Created by the 1889 State Constitution and originally elected for a two-year term. By constitutional amendment, adopted June 30, 1964, the term was increased to four years.

Note: During several historical periods there were various factions under the general label of Republican: NPL--1916-1956; IVA--1920-1932; ROC--1944-1956.

TABLE 16.06

UNITED STATES SENATORS, NORTH DAKOTA, STATEHOOD - PRESENT*

Senator	Term
Gilbert A. Pierce (R) (1839-1901) Elected 1889; defeated for re-election 1891	1889-1891
Lyman R. Casey (R) (1837-1914) Elected 1889; defeated for re-election 1893	1889-1893
Henry C. Hansbrough (R) (1848-1933) Elected 1891, 1897, 1903; defeated for re-election 1909	1891-1909
William N. Roach (D) (1840-1902) Elected 1893; defeated for re-election 1899	1893-1899
Porter J. McCumber (R) (1858-1933) Elected 1899, 1905, 1911, 1916; defeated for re-election 1922	1899-1923
Martin N. Johnson (R) (1850-1909) Elected 1909; died in office, October 21, 1909	1909-1909
Fountain L. Thompson (D) (1854-1942) Appointed December 7, 1909 to fill vacancy caused by Martin Johnson's death; resigned January 31, 1910	1909-1910
William E. Purcell (D) (1856-1928) Appointed February 1, 1910 to fill vacancy caused by Fountain Thompson's resignation; defeated for re-election 1911	1910-1911
Asle J. Gronna (R) (1858-1922) Elected 1911, 1914; defeated for re-election 1920	1911-1921
Edwin F. Ladd (R) (1859-1925) Elected 1920; died in office, June 25, 1925	1921-1925
Lynn J. Frazier (R) (1874-1947) Elected 1922, 1928, 1934; defeated for re-election 1940	1923-1941
Gerald P. Nye (R) (1892-1971) Appointed November 14, 1925 to fill vacancy caused by Edwin Ladd's death; elected 1926, 1932, 1938; defeated for re-election 1944	1925-1945
William Langer (R) (1886-1959) Elected 1940, 1946, 1952, 1958; died in office, November 8, 1959	1941-1959
John Moses (D) (1885-1945) Elected 1944; died in office March 3, 1945	1945-1945
Milton R. Young (R) (1897-) Appointed March 12, 1945 to fill vacancy caused by John Moses' death; elected 1950, 1956, 1962, 1968, 1974.	1945-
C. Norman Brunsdale (R) (1891-1957) Appointed November 19, 1959 to fill vacancy caused by William Langer's death served until August 7, 1960	1959-1960
Quentin N. Burdick (D) (1908-) Elected June 28, 1960 to complete William Langer's unexpired term; elected 1964, 1970, 1976	1960-

SOURCE: North Dakota Secretary of State.

* Under Article I, Section 3 of the Constitution of the United States, each state is entitled to elect two United States Senators who hold office for a term of six years. However, so that the terms of the state's first Senators would be staggered, one was elected for a period of two years and the other for four years. The Constitution originally provided that Senators were to be elected by the Legislatures of each state. The Seventeenth Amendment to the Constitution, effective May 31, 1913, provided that Senators should be elected by popular vote of the people.

See note--Table 16.05.

TABLE 16.07

UNITED STATES REPRESENTATIVES, NORTH DAKOTA, STATEHOOD - PRESENT*

One Representative, Elected At Large

Representative	Term
Henry C. Hansbrough (R) (1848-1933) Elected 1889; didn't seek re-election 1890	1889-1891
Martin N. Johnson (R) (1850-1909) Elected 1890, 1892, 1894, 1896; didn't seek re-election 1898	1891-1899
Burleigh F. Spalding (R) (1853-1934) Elected 1898; didn't seek re-election 1900	1899-1901
Thomas F. Marshall (R) (1854-1921) Elected 1900	1901-1903

Two Representatives, Elected At Large

Representative	Term
Thomas F. Marshall (R) (1854-1921) Elected 1902, 1904, 1906; didn't seek re-election 1908	1903-1909
Burleigh F. Spalding (R) (1853-1934) Elected 1902; defeated for renomination 1904	1903-1905
Asle J. Gronna (R) (1858-1922) Elected 1904, 1906, 1908; didn't seek re-election 1910	1905-1911
Louis B. Hanna (R) (1861-1948) Elected 1908, 1910; didn't seek re-election 1912	1909-1913
Henry T. Helgesen (R) (1857-1917) Elected 1910	1911-1913

Three Representatives, Elected by District

District 1

Representative	Term
Henry T. Helgesen (R) (1857-1917) Elected 1912, 1914, 1916; died in office, April 10, 1917	1913-1917
John M. Baer (R) (1886-1970) Elected at July 10, 1917 special election to fill unexpired term of Henry Helgesen; elected 1918; defeated for re-election 1920	1917-1921
Olger B. Burtness (R) (1884-1960) Elected 1920, 1922, 1924, 1926, 1928, 1930; defeated for re-election 1932	1921-1933

District 2

Representative	Term
George M. Young (R) (1870-1932) Elected 1912, 1914, 1916, 1918, 1920, 1922; resigned September 2, 1924	1913-1924
Thomas Hall (R) (1869-1958) Elected November 4, 1924 to fill unexpired term of George Young; elected 1926, 1928, 1930; defeated for re-election 1932	1924-1933

TABLE 16.07--*Continued*

Representative	Term
District 3	
Patrick D. Norton (R) (1876-1953) Elected 1912, 1914, 1916; defeated for re-election 1918	1913-1919
James H. Sinclair (R) (1871-1943) Elected 1918, 1920, 1922, 1924, 1926, 1928, 1930	1919-1933
Two Representatives, Elected At Large	
James H. Sinclair (R) (1871-1943) Elected 1932; defeated for re-election 1934	1933-1935
William Lemke (R) (1878-1950) Elected 1932, 1934, 1936, 1938; didn't seek re-election	1933-1941
Usher L. Burdick (R) (1879-1960) Elected 1934, 1936, 1938, 1940, 1942; didn't seek re-election	1935-1945
Charles R. Robertson (R) (1889-1951) Elected 1940; defeated for re-election 1942	1941-1943
William Lemke (R) (1878-1950) Elected 1942, 1944, 1946, 1948; died in office, May 30, 1950	1943-1950
Charles R. Robertson (R) (1889-1951) Elected 1944, 1946; defeated for re-election 1948	1945-1949
Usher L. Burdick (R) (1879-1960) Elected 1948, 1950, 1952, 1954, 1956; didn't seek re-election 1958	1949-1959
Fred G. Aandahl (R) (1897-1966) Elected 1950; didn't seek re-election 1952	1951-1953
Otto Krueger (R) (1890-1963) Elected 1952, 1954, 1956; didn't seek re-election 1958	1953-1959
Quentin N. Burdick (D) (1908-) Elected 1958; resigned, August 8, 1960	1959-1960
Don L. Short (R) (1903-) Elected 1958, 1960	1959-1963
Hjalmer C. Nygaard (R) (1906-1963) Elected 1960	1961-1963
Two Representatives, Elected By District East District	
Hjalmer C. Nygaard (R) (1906-1963) Elected 1962; died in office, July 19, 1963	1963-1963
Mark Andrews (R) (1926-) Elected at October 22, 1963 special election to fill unexpired term of Hjalmer Nygaard; elected 1964, 1966, 1968, 1970	1963-1973

TABLE 16.07--*Continued*

Representative	Term
West District	
Don L. Short (R) (1903-) Elected 1962; defeated for re-election 1964	1963-1965
Rolland Redlin (D) (1920-) Elected 1964; defeated for re-election 1966	1965-1967
Thomas S. Kleppe (R) (1919-) Elected 1966, 1968; didn't seek re-election 1970	1967-1971
Arthur A. Link (D) (1914-) Elected 1970; didn't seek re-election 1972	1971-1973
One Representative, Elected At Large	
Mark Andrews (R) (1926-) Elected 1972, 1974, 1976, 1978	1973-

SOURCE: North Dakota Secretary of State.

* Under Article I, Section 2 of the Constitution of the United States, each State shall elect one or more Representative to Congress. The number of Representatives is based upon each State's population in relation to that of the entire nation as enumerated by the Federal dicennial census. Thus, North Dakota had one Representative from 1889-1902, two from 1903 to 1912, three from 1913 to 1932, two from 1933 to 1972 and at present has one.

See note--Table 16.05, 16.06.

TABLE 16.09

VOTES CAST FOR NORTH DAKOTA STATE OFFICIALS IN THE 1976 GENERAL ELECTION BY COUNTY*

County	United States Senator			Representative In Congress		
	Robert Stroup Rep.	Quentin Burdick Dem.	Clarence Haggard Amer.	Mark Andrews Rep.	Lloyd Omdahl Dem.	Russell Kleppe Amer.
NORTH DAKOTA	103,466	175,772	3,824	181,018	104,263	4,600
Adams	760	1,080	10	1,227	673	16
Barnes	2,742	4,450	53	4,935	2,425	52
Benson	1,103	2,488	25	2,187	1,465	29
Billings	286	329	19	406	215	17
Bottineau	1,900	2,759	20	3,013	1,672	20
Bowman	734	1,147	7	1,236	674	23
Burke	709	1,207	73	1,291	687	70
Burleigh	9,800	12,355	451	14,985	7,583	613
Cass	14,104	24,970	331	26,572	13,242	457
Cavalier	1,234	2,867	33	2,394	1,774	41
Dickey	1,523	1,928	36	2,435	1,100	41
Divide	527	1,365	18	1,121	843	16
Dunn	832	1,244	40	1,331	745	38
Eddy	630	1,380	14	1,205	844	17
Emmons	1,142	1,627	143	1,909	876	170
Foster	777	1,465	17	1,529	800	16
Golden Valley	459	597	50	754	376	56
Grand Forks	8,267	15,728	400	14,639	9,959	485
Grant	948	1,082	72	1,489	664	70
Griggs	745	1,511	22	1,382	900	29
Hettinger	872	1,303	38	1,439	768	43
Kidder	703	1,079	112	1,185	653	168
La Moure	1,402	2,017	36	2,251	1,226	41
Logan	779	929	105	1,194	503	164
McHenry	1,458	2,493	13	2,616	1,499	19
McIntosh	1,464	1,138	64	2,076	618	72
McKenzie	1,211	1,673	32	1,913	1,058	25
McLean	2,476	3,116	58	3,446	2,191	52
Mercer	1,888	1,514	78	2,339	1,045	76
Morton	3,639	6,423	161	5,937	4,202	186

TABLE 16.09--*Continued*

County	United States Senator			Representative In Congress		
	Robert Stroup Rep.	Quentin Burdick Dem.	Clarence Haggard Amer.	Mark Andrews Rep.	Lloyd Omdahl Dem.	Russell Kleppe Amer.
Mountrail	1,247	2,213	29	1,975	1,572	26
Nelson	831	2,082	33	1,756	1,223	36
Oliver	526	622	25	736	387	35
Pembina	1,608	3,274	53	3,262	1,754	55
Pierce	1,012	1,719	18	1,869	1,012	21
Ramsey	2,093	4,032	35	4,127	2,226	43
Ransom	1,110	2,067	17	2,133	1,202	17
Renville	584	1,197	13	1,023	786	12
Richland	2,890	5,859	88	6,041	3,246	96
Rolette	794	2,778	21	1,565	1,928	26
Sargent	904	2,007	21	1,780	1,182	18
Sheridan	765	646	21	1,140	385	18
Sioux	271	777	18	455	553	20
Slope	250	414	16	457	236	11
Starke	2,692	4,988	193	4,858	2,940	230
Steele	575	1,295	5	1,161	743	3
Stutsman	4,092	6,018	117	6,593	3,588	155
Towner	668	1,478	9	1,438	810	15
Traill	1,882	3,290	23	3,448	1,810	29
Walsh	2,057	4,885	103	3,916	3,194	115
Ward	7,565	13,250	308	13,852	7,457	350
Wells	1,452	2,149	33	2,385	1,292	45
Williams	2,484	5,468	94	4,612	3,457	100

TABLE 16.08

MEMBERS OF THE FORTY-SIXTH NORTH DAKOTA LEGISLATIVE ASSEMBLY, 1979

District	Senators	Party	Address	Representatives	Party	Address
1st	Frank A. Wenstrom	(R)	Williston	Charles Scofield	(R)	Williston
				Dean Winkler	(R)	Williston
2nd	George Rait	(D)	Noonan	Irven Jacobson	(D)	Alamo
				Olaf Opedahl	(D)	Tioga
3rd	Marvin E. Sorum	(R)	Kenmare	Richard J. Backes	(D)	Glenburn
				Pauline M. Benedict	(D)	Berthold
4th	Stanley Wright	(R)	Stanley	Ruth Meiers	(D)	Ross
				Larry E. Tinjum	(D)	Powers Lake
5th	Hal Christensen	(R)	Minot	Marge Kermott	(R)	Minot
				Mike Timm	(R)	Minot
6th	Walter C. Erdman	(R)	Bottineau	Carolyn Houmann	(R)	Westhope
				Lawrence Marsden	(R)	Bottineau
7th	Ernest M. Sands	(R)	Velva	Herman Larson	(R)	Rugby
				Fern E. Lee	(R)	Towner
8th	Shirley W. Lee	(R)	Turtle Lake	Layton Freborg	(R)	Underwood
				Gordon Matheny	(R)	Emmet
9th	Phillip Berube	(D)	Rolla	Allen Richard	(D)	Dunselth
				Oscar Solberg	(D)	Rolla
10th	Frank Shablow	(D)	Langdon	Howard Hove	(R)	Fairdale
				Eugene Nicholas	(R)	Cando
11th	Kent Vosper	(R)	Neche	Alice Olson	(R)	Cavalier
				Charles F. Fleming	(D)	Hamilton
12th	S.F. Hoffner	(D)	Esmond	Joe B. Leibhan	(R)	Esmond
				Byron J. Langley	(D)	Warwick
13th	Clayton A. Lodoen	(R)	West Fargo	Florenz Bjornson	(R)	West Fargo
				L.E. Berger	(D)	West Fargo
14th	Steve Farrington	(R)	Harvey	Kelly Boyum	(R)	Carrington
				Arthur Melby	(R)	Harvey
15th	Kent Jones	(R)	Webster	Charles Mertens	(D)	Devils Lake
				Gordon Berg	(D)	Devils Lake
16th	Harvey D. Tallackson	(D)	Grafton	William E. (Bill) Gorder	(R)	Grafton
				Harley R. Kingsbury	(R)	Grafton
17th	Raymon E. Holmberg	(R)	Grand Forks	Burness Reed	(R)	Grand Forks

TABLE 16.08--*Continued*

District	Senators	Party	Address	Representatives	Party	Address
				Elaine E. Vig	(R)	Grand Forks
18th	Chick Goodman	(R)	Grand Forks	Thomas Kuchera	(R)	Grand Forks
				Earl Strinden	(R)	Grand Forks
19th	Duane Mutch	(R)	Larimore	Oben Gunderson	(R)	McCanna
				Enoch Thorsgard	(R)	Northwood
20th	Gilman A. Strand	(R)	Portland	Peter Lipsiea	(R)	Portland
				Malcolm S. Tweten	(R)	Buxton
21st	Herschel Lashowitz	(D)	Fargo	Paul L. Dubord	(D)	Fargo
				Tish Kelly	(D)	Fargo
22nd	Gary J. Nelson	(R)	Casselton	Joe Peltier	(R)	Arthur
				Francis E. (Hank) Weber	(D)	Leonard
23rd	James M. Cussons	(R)	Cooperstown	Robert J. Jacobsen	(R)	Luverne
				Arvid Hedstrom	(R)	Toina
24th	Theron L. Strinden	(R)	Litchville	Don Berge	(R)	Litchville
				Frank Larson	(R)	Valley City
25th	Russell Thane	(R)	Wahpeton	Roy Hausauer	(R)	Wahpeton
				Dayle Dietz	(R)	Wahpeton
26th	James Smykowski	(R)	Cayuga	John D. Crabtree	(R)	Ellendale
				LeRoy Erickson	(R)	DeLamere
27th	Kenneth Morgan	(R)	Walcott	Lawrence Dick	(R)	Englevale
				Ralph C. Dotzenrod	(D)	Wyndmere
28th	Claire A. Sandness	(R)	La Moure	William Gackle	(R)	Kulm
				Jim Brokaw	(D)	Forbes
29th	Robert B. Melland	(R)	Jamestown	Gordon Larson	(R)	Jamestown
				Elmer Retzer	(R)	Cleveland
30th	L.L. Naaden	(R)	Braddock	William E. Kretschmar	(R)	Venturia
				Wilbur Vander Vorst	(R)	Hague
31st	Harry Iszler	(R)	Streeter	Thoedore A. (Ted) Lang	(R)	Sterling
				Orville Schindler	(R)	McClusky
32nd	Bonnie L. Miller Heinrich	(D)	Bismarck	Serenus Hoffner	(D)	Bismarck
				Roger A. Koski	(D)	Bismarck
33rd	Robert Albers	(R)	Hazen	Ronald Gunsch	(R)	Zap
				Ralph Hickle	(R)	Center
34th	Lester J. Schirado	(D)	Mandan	James Gerl	(D)	Mandan
				Corliss Mushik	(D)	Mandan

TABLE 16.08--*Continued*

District	Senators	Party	Address	Representatives	Party	Address
35th	Francis Barth	(D)	Solen	Walter A. Meyer	(D)	Flasher
				Emil J. Riehl	(D)	Raleigh
36th	J. Garvin Jacobson	(R)	Alexander	Ralph M. Christensen	(R)	Watford City
				J.R. (Jack) Murphy	(R)	Killdeer
37th	Jack Olin	(R)	Dickinson	Francis Wald	(R)	Dickinson
				Bill Lardy	(D)	Dickinson
38th	Kent Jones	(R)	Webster	Kenneth Knudson	(R)	Taylor
				Clarence Martin	(R)	Lefor
39th	Leland Roen	(R)	Bowman	Kenneth Thompson	(R)	Beach
				R.R. (Rick) Maixner	(D)	New England
40th	Rolland Redlin	(D)	Minot	Brynhild Haugland	(R)	Minot
				Doug Mattson	(R)	Minot
	Chester Reiten	(R)	Minot	James A. Peterson	(R)	Minot
				Roy Rued	(R)	Minot
41st	Jerome Walsh	(D)	Minot	Janet M. Wentz	(R)	Minot
				J. Mikel Walsh	(D)	Minot
42nd	Chuck Orange	(D)	Grand Forks	Wayne Stehjem	(R)	Grand Forks
				Glenn Pomeroy	(D)	Grand Forks
43rd	Stella Fritzell	(R)	Grand Forks	Rosie Black	(R)	Grand Forks
				H.C. (Bud) Wessman	(R)	Grand Forks
44th	Curtis N. Peterson	(R)	Fargo	Jean E. Herman	(R)	Fargo
				Craig M. Richie	(R)	Fargo
45th	Donald W. Hanson	(R)	Fargo	James W. Kennelly	(R)	Fargo
				Steven J. Swiontek	(R)	Fargo
46th	Jens J. Tennefos	(R)	Fargo	Aloha Eagles	(R)	Fargo
				Richard W. Kloubec	(R)	Fargo
47th	Evan E. Lips	(R)	Bismarck	Patrick A. Conmy	(R)	Bismarck
				Vernon E. Wagner	(R)	Bismarck
48th	David E. Nething	(R)	Jamestown	Lyle Hanson	(D)	Jamestown
				Michael Unhjem	(R)	Jamestown
49th	I.E. "Esky" Solberg	(R)	Bismarck	Alvin Hausauer	(R)	Bismarck
				Robert W. Martinson	(R)	Bismarck

50th and 40th combined - see information under the 40th District.

SOURCE: North Dakota Legislative Council.

TABLE 16.09--*Continued*

County	Governor and Lt. Governor			Secretary of State	
	R. Elkin & E. Pyle Rep.	A. Link & W. Sanstead Dem.	M. Vaaler & T. Wold Amer.	Ben Meier Rep.	Darrell Sorensen Dem.
NORTH DAKOTA	138,321	153,309	5,619	150,864	120,067
Adams	1,035	890	44	1,021	784
Barnes	3,562	3,896	71	3,918	3,066
Benson	1,415	2,288	33	1,710	1,786
Billings	347	311	27	353	274
Bottineau	2,487	2,363	46	2,538	1,893
Bowman	1,026	978	9	1,065	836
Burke	935	1,066	108	1,113	771
Burleigh	12,734	10,371	643	13,802	8,155
Cass	19,988	20,296	380	20,195	16,833
Cavalier	1,850	2,375	62	2,006	1,823
Dickey	1,875	1,702	23	2,060	1,326
Divide	788	1,196	42	890	939
Dunn	920	1,222	46	1,133	872
Eddy	844	1,220	25	938	1,014
Emmons	1,614	1,273	198	1,890	999
Foster	1,076	1,270	14	1,240	926
Golden Valley	628	526	68	657	443
Grand Forks	11,781	13,204	504	12,350	9,983
Grant	1,205	852	241	1,443	736
Griggs	1,017	1,290	27	1,098	1,098
Hettinger	1,143	1,107	86	1,272	840
Kidder	930	991	156	1,047	852
La Moure	1,705	1,803	43	1,889	1,449
Logan	991	758	121	1,312	473
McHenry	1,919	2,289	60	2,171	1,808
McIntosh	1,817	932	69	2,047	691
McKenzie	1,385	1,668	38	1,661	1,134
McLean	2,677	3,083	106	2,892	2,583
Mercer	1,797	1,641	107	2,079	1,246
Morton	4,755	5,524	320	5,567	4,365

TABLE 16.09--*Continued*

County	Governor and Lt. Governor			Secretary of State	
	R. Elkin & E. Pyle Rep.	A. Link & W. Sanstead Dem.	M. Valler & T. Wold Amer.	Ben Meier Rep.	Darrell Sorensen Dem.
Mountrail	1,319	2,352	46	1,617	1,762
Nelson	1,106	1,876	54	1,348	1,383
Oliver	561	598	49	675	464
Pembina	2,394	2,695	70	2,692	1,957
Pierce	1,440	1,528	37	1,559	1,224
Ramsey	3,031	3,539	42	3,330	2,770
Ransom	1,531	1,879	24	1,665	1,515
Renville	732	1,090	31	801	915
Richland	4,310	5,333	114	4,615	4,146
Rolette	1,142	2,576	30	1,175	2,177
Sargent	1,167	1,876	21	1,419	1,419
Sheridan	940	610	46	1,032	457
Sioux	359	722	20	403	623
Slope	357	369	13	396	275
Starke	3,949	4,320	301	3,818	3,551
Steele	748	1,176	11	816	985
Stutsman	5,438	5,057	154	5,909	3,909
Towner	916	1,291	31	1,109	953
Traill	2,550	2,771	36	2,689	2,239
Walsh	2,893	4,286	138	3,411	3,197
Ward	10,037	12,018	440	10,977	9,068
Wells	1,858	1,885	68	2,123	1,420
Williams	3,297	5,077	126	3,928	3,660

TABLE 16.09--*Continued*

County	State Auditor		State Treasurer		Attorney General	
	Robert Peterson Rep.	G. Kent Conrad Dem.	Bernice Asbridge Rep.	Walter Christensen Dem.	Allen Olson Rep.	Kent Johannson Dem.
NORTH DAKOTA	134,863	130,864	114,298	155,214	141,998	132,300
Adams	912	867	819	975	981	819
Barnes	3,542	3,304	3,072	3,862	3,743	3,324
Benson	1,497	1,935	1,326	2,210	1,533	1,986
Billings	330	274	298	345	324	315
Bottineau	2,304	2,012	2,050	2,454	2,452	2,118
Bowman	1,011	856	858	1,039	994	914
Burke	998	847	785	1,102	973	902
Burleigh	11,845	9,526	10,697	11,276	13,604	8,930
Cass	18,016	18,598	15,729	20,930	19,054	18,524
Cavalier	1,746	1,995	1,538	2,199	2,138	1,968
Dickey	1,964	1,309	1,765	1,555	1,940	1,400
Divide	840	963	607	1,234	864	985
Dunn	1,017	945	826	1,200	1,069	958
Eddy	829	1,076	764	1,183	841	1,134
Emmons	1,523	1,141	1,358	1,372	1,635	1,171
Foster	1,104	1,013	872	1,248	1,069	1,098
Golden Valley	576	491	496	609	606	512
Grand Forks	10,856	11,137	9,046	13,000	12,098	10,700
Grant	1,222	858	1,149	1,030	1,307	854
Griggs	995	1,124	888	1,286	990	1,200
Hettinger	1,109	959	929	1,181	1,152	983
Kidder	958	860	865	1,023	1,033	880
La Moure	1,718	1,547	1,476	1,833	1,734	1,584
Logan	1,005	665	916	811	1,053	666
McHenry	1,968	1,902	1,706	2,254	2,024	1,978
McIntosh	1,853	750	1,616	1,013	1,943	730
McKenzie	1,632	1,169	1,235	1,586	1,555	1,290
McLean	2,597	2,744	2,127	3,459	2,759	2,773
Mercer	1,829	1,393	1,609	1,673	1,958	1,345
Morton	4,336	5,209	3,755	6,061	4,762	5,076

TABLE 16.09--*Continued*

County	State Auditor		State Treasurer		Attorney General	
	Robert Peterson Rep.	G. Kent Conrad Dem.	Bernice Asbridge Rep.	Walter Christensen Dem.	Allen Olson Rep.	Kent Johanson Dem.
Mountrail	1,369	1,892	1,097	2,283	1,417	1,980
Nelson	1,173	1,491	1,069	1,654	1,239	1,541
Oliver	595	498	544	583	609	530
Pembina	2,378	2,199	2,192	2,439	2,593	2,207
Pierce	1,421	1,268	1,152	1,589	1,366	1,377
Ramsey	2,892	3,098	2,635	3,441	3,161	3,040
Ransom	1,513	1,624	1,438	1,745	1,625	1,603
Renville	711	960	581	1,139	772	946
Richland	4,261	4,312	3,568	5,088	4,336	4,504
Rolette	1,044	2,200	864	2,447	1,144	2,196
Sargent	1,199	1,562	1,067	1,731	1,276	1,544
Sheridan	956	488	802	682	965	512
Sioux	322	660	310	706	380	642
Slope	361	298	293	372	358	303
Starke	3,577	3,807	2,698	4,755	3,825	3,871
Steele	771	1,003	652	1,147	768	1,034
Stutsman	5,219	4,365	4,467	5,205	5,268	4,516
Towner	1,082	1,039	803	1,238	1,110	988
Traill	2,610	2,224	2,216	2,611	2,616	2,323
Walsh	3,014	3,451	2,444	4,083	3,187	3,481
Ward	10,013	9,843	7,890	12,273	10,117	10,280
Wells	1,904	1,562	1,582	1,926	1,847	1,695
Williams	4,346	3,551	2,757	5,074	3,831	4,070

TABLE 16.09--*Continued*

County	Commissioner of Insurance		Commissioner of Agriculture			Public Service Commissioner	
	J. O. Wigen Rep.	Byron Knutson Dem.	Robert Nasset Rep.	Myron Just Dem.	Berger Rodne Amer.	Edith Kjos Rep.	Bruce Hagen Dem.
NORTH DAKOTA	120,857	146,941	96,461	171,503	3,069	100,682	168,130
Adams	968	871	772	1,033	9	618	1,164
Barnes	3,190	3,713	2,565	4,475	44	2,654	4,339
Benson	1,382	2,140	1,122	2,360	27	1,133	2,393
Billings	289	325	265	369	12	252	373
Bottineau	2,098	2,376	1,732	2,832	14	1,871	2,657
Bowman	860	1,023	764	1,138	9	686	1,205
Burke	840	1,008	625	1,200	67	703	1,155
Burleigh	12,589	9,064	8,704	12,677	307	9,271	12,229
Cass	16,894	19,879	13,860	22,815	275	14,650	21,992
Cavalier	1,483	2,293	1,151	2,701	22	1,288	2,572
Dickey	1,754	1,597	1,476	1,907	17	1,501	1,839
Divide	637	1,190	458	1,385	17	569	1,283
Dunn	877	1,106	722	1,267	44	714	1,293
Eddy	732	1,222	608	1,346	11	632	1,337
Emmons	1,408	1,258	1,128	1,616	87	1,071	1,640
Foster	944	1,209	706	1,463	13	680	1,475
Golden Valley	525	559	449	640	36	432	668
Grand Forks	9,444	12,913	7,603	14,127	333	8,360	13,705
Grant	1,162	916	1,107	1,045	56	986	1,146
Griggs	884	1,280	735	1,429	15	710	1,467
Hettinger	1,007	1,061	1,001	1,177	29	761	1,360
Kidder	876	974	699	1,139	84	703	1,163
La Moure	1,467	1,817	1,108	2,341	27	1,226	2,084
Logan	935	745	709	973	73	763	918
McHenry	1,725	2,190	1,412	2,566	23	1,532	2,450
McIntosh	1,720	887	1,377	1,300	26	1,398	1,230
McKenzie	1,299	1,473	1,072	1,728	12	1,108	1,694
McLean	2,357	3,058	1,894	3,617	34	2,022	3,454
Mercer	1,690	1,541	1,355	1,900	55	1,339	1,928
Morton	4,098	5,477	3,093	6,508	115	3,108	6,585

TABLE 16.09--*Continued*

County	Commissioner of Insurance		Commissioner of Agriculture			Public Service Commissioner	
	J. O. Wigen Rep.	Byron Knutson Dem.	Robert Nasset Rep.	Myron Just Dem.	Berger Rodne Amer.	Edith Kjos Rep.	Bruce Hagen Dem.
Mountrail	1,130	2,201	868	2,498	18	917	2,459
Nelson	1,013	1,733	812	1,944	33	821	1,993
Oliver	518	584	395	708	8	405	709
Pembina	2,037	2,555	1,741	2,890	31	1,832	2,791
Pierce	1,198	1,519	994	1,723	34	1,014	1,712
Ramsey	2,598	3,465	2,204	3,862	17	2,231	4,012
Ransom	1,380	1,784	1,129	2,126	7	1,225	1,980
Renville	610	1,077	439	1,232	1	526	1,189
Richland	3,690	4,996	3,057	5,636	58	3,143	5,616
Rolette	846	2,441	713	2,582	15	726	2,624
Sargent	1,063	1,704	930	1,882	13	945	1,888
Sheridan	857	584	717	727	37	740	711
Sioux	283	704	235	759	14	233	778
Slope	287	358	257	422	6	239	406
Starke	3,023	4,333	2,657	4,803	141	2,415	4,917
Steele	715	1,090	555	1,240	6	553	1,249
Stutsman	4,710	4,915	3,787	5,834	97	3,829	5,731
Towner	795	1,238	610	1,443	5	669	1,393
Traill	2,254	2,611	1,923	2,959	23	1,913	2,992
Walsh	2,457	4,120	2,005	4,591	82	2,130	4,499
Ward	8,320	11,460	6,413	13,293	246	7,405	12,333
Wells	1,668	1,825	1,253	2,090	204	1,346	2,150
Williams	3,271	4,479	2,440	5,185	80	2,684	5,200

SOURCE: North Dakota Secretary of State.

* Election held 11/2/76.

TABLE 16.10

VOTES CAST FOR NORTH DAKOTA STATE OFFICIALS IN THE 1978 GENERAL ELECTION BY COUNTY*

			Representative In Congress			
County	Pre-cincts	Total Votes Cast	Mark Andrews	Bruce Hagen	Don J. Klingen-smith	Harley J. McLain
NORTH DAKOTA	1,604	234,712	147,746	68,016	1,389	3,197
Adams	13	1,398	848	457	11	7
Barnes	52	5,776	3,814	1,376	17	166
Benson	48	3,131	1,985	968	7	25
Billings	10	561	336	177	1	4
Bottineau	24	4,060	2,511	1,259	14	47
Bowman	13	1,720	1,062	553	4	6
Burke	20	1,961	1,144	624	15	26
Burleigh	62	18,204	11,296	5,391	267	319
Cass	89	31,219	21,098	8,089	127	596
Cavalier	22	3,301	2,090	991	10	15
Dickey	16	2,925	1,937	746	11	8
Divide	21	1,650	955	547	13	17
Dunn	20	1,785	1,123	556	5	6
Eddy	22	1,801	1,084	591	10	14
Emmons	18	3,005	1,943	791	23	28
Foster	24	2,098	1,423	529	6	28
Golden Valley	11	1,202	156	343	6	1
Grand Forks	70	17,586	11,445	4,380	105	399
Grant	18	1,995	1,330	545	19	16
Griggs	25	2,424	1,631	650	3	16
Hettinger	13	1,712	1,067	519	7	12
Kidder	16	1,546	976	454	20	16
La Moure	30	2,958	1,872	845	6	22
Logan	11	1,491	943	413	5	7
McHenry	60	3,626	2,161	1,216	8	33
McIntosh	15	2,633	1,972	431	23	18
McKenzie	28	2,193	1,435	605	18	22
McLean	42	5,035	3,016	1,648	28	53
Mercer	18	2,514	1,609	716	25	25
Morton	30	7,886	4,162	2,918	123	98

TABLE 16.10--*Continued*

County	Pre-cincts	Total Votes Cast	Representative In Congress			
			Mark Andrews	Bruce Hagen	Don J. Klingen-smith	Harley J McLain
Mountrail	48	2,891	1,636	1,096	18	21
Nelson	35	2,532	1,595	795	6	17
Oliver	9	1,135	730	333	13	10
Pembina	42	4,557	3,030	1,172	11	41
Pierce	19	2,436	1,640	661	5	24
Ramsey	26	6,081	3,786	1,964	17	34
Ransom	33	2,808	1,803	866	5	14
Renville	12	1,607	577	872	12	33
Richland	60	7,236	4,897	1,980	9	35
Rolette	16	2,620	1,403	908	5	28
Sargent	16	2,402	1,492	737	10	12
Sheridan	13	1,302	954	280	3	12
Sioux	8	1,174	474	455	7	13
Slope	6	626	391	194	1	2
Stark	13	7,002	4,030	2,123	46	81
Steele	24	1,684	1,040	547	7	14
Stutsman	73	8,531	5,285	2,447	45	230
Towner	11	1,573	1,072	392	2	10
Traill	36	4,561	3,069	1,203	11	49
Walsh	56	5,790	3,711	1,600	13	38
Ward	73	16,760	10,123	4,954	151	320
Wells	47	3,094	1,970	899	12	24
Williams	67	6,814	4,014	2,210	43	85

TABLE 16.10--*Continued*

	Public Service Commissioner		Supreme Court Justice		
County	Richard Elkin	Robert Hanson	Paul Sand (Reg. Term)	Maurice Cook (Unexpired)	Gerald VandeWalle (Unexpired)
NORTH DAKOTA	121,950	83,188	166,289	70,918	111,066
Adams	771	501	998	864	409
Barnes	3,192	2,053	4,203	1,894	2,333
Benson	1,605	1,235	2,403	1,079	1,378
Billings	302	213	426	208	235
Bottineau	2,165	1,468	2,972	697	2,668
Bowman	856	712	1,345	1,010	579
Burke	920	793	1,356	456	1,098
Burleigh	9,920	6,238	12,741	4,471	10,725
Cass	16,892	9,895	22,495	9,494	14,079
Cavalier	1,736	1,096	2,237	1,257	1,159
Dickey	1,651	917	2,265	1,022	1,286
Divide	751	666	1,070	196	1,292
Dunn	869	735	1,367	646	863
Eddy	897	711	1,311	667	748
Emmons	1,709	908	2,089	787	1,683
Foster	1,172	661	1,600	766	921
Golden Valley	635	425	839	367	552
Grand Forks	9,271	5,536	11,537	4,813	7,959
Grant	1,205	641	1,567	639	1,026
Griggs	1,348	789	1,798	750	1,131
Hettinger	881	667	1,267	715	689
Kidder	853	563	1,156	377	898
La Moure	1,550	1,066	2,197	1,015	1,282
Logan	823	503	1,131	415	818
McHenry	1,867	1,384	2,900	1,032	1,899
McIntosh	1,754	508	2,092	712	1,521
McKenzie	1,225	750	1,548	608	1,057
McLean	2,525	2,045	3,702	1,347	2,728
Mercer	1,497	805	1,898	748	1,324
Morton	3,539	3,386	5,113	2,307	3,816
Mountrail	1,291	1,284	2,263	822	1,482
Nelson	1,272	955	1,845	809	1,129
Oliver	648	394	889	322	663
Pembina	2,456	1,584	3,415	1,645	1,947
Pierce	1,379	775	2,001	677	1,193

TABLE 16.10--*Continued*

County	Public Service Commissioner		Supreme Court Justice		
	Richard Elkin	Robert Hanson	Paul Sand (Reg. Term)	Maurice Cook (Unexpired)	Gerald VandeWalle (Unexpired)
Ramsey	3,158	2,214	4,575	2,192	2,553
Ransom	1,505	1,058	2,193	1,055	1,198
Renville	615	849	1,142	515	759
Richland	3,837	2,587	5,319	2,286	3,279
Rolette	1,040	1,017	1,721	667	1,203
Sargent	1,210	914	1,774	900	950
Sheridan	861	310	974	364	679
Sioux	406	509	823	363	551
Slope	304	258	439	315	215
Stark	3,239	2,762	4,339	2,200	2,832
Steele	801	709	1,276	530	786
Stutsman	4,069	3,276	5,884	2,849	3,612
Towner	905	492	1,172	518	713
Traill	2,582	1,461	3,539	1,336	2,268
Walsh	3,047	1,865	4,122	2,203	2,217
Ward	8,045	6,238	10,394	4,194	8,049
Wells	1,721	1,011	2,301	926	1,494
Williams	3,178	2,791	4,266	1,871	3,138

TABLE 16.10--*Continued*

	Commissioner of Labor	Judges of District Court		
County	Orville W. Hagen	John O. Garass (Reg. Term) 1st Dist.	Norman J. Backes (Unexpired) 1st Dist.	Ray R. Friederich 2nd Dist.
NORTH DAKOTA	169,461	44,619	43,698	29,607
Adams	1,018	------	------	------
Barnes	4,106	3,794	3,695	------
Benson	2,383	------	------	2,392
Billings	416	------	------	------
Bottineau	3,169	------	------	3,180
Bowman	1,410	------	------	------
Burke	1,433	------	------	------
Burleigh	12,962	------	------	------
Cass	22,306	22,602	21,565	------
Cavalier	2,228	------	------	2,189
Dickey	2,184	------	------	2,191
Divide	1,177	------	------	------
Dunn	1,363	------	------	------
Eddy	1,355	------	------	------
Emmons	2,145	------	------	------
Foster	1,587	------	------	------
Golden Valley	851	------	------	------
Grand Forks	12,153	10,004	10,515	------
Grant	1,544	1	------	------
Griggs	1,793	1,754	1,721	------
Hettinger	1,255	------	------	------
Kidder	1,130	------	------	------
La Moure	2,122	------	------	------
Logan	1,106	------	------	------
McHenry	2,796	------	------	2,786
McIntosh	1,996	------	------	------
McKenzie	1,818	------	------	------
McLean	3,728	------	------	------
Mercer	1,911	------	------	------
Morton	5,385	------	------	------
Mountrail	2,309	------	------	------
Nelson	1,847	1,782	1,702	------
Oliver	879	------	------	------
Pembina	3,384	------	------	3,269
Pierce	1,868	------	------	2,017

TABLE 16.10--*Continued*

	Commissioner of Labor	Judges of District Court		
County	Orville W. Hagen	John O. Garass (Reg. Term) 1st Dist.	Norman J. Backes (Unexpired) 1st Dist.	Ray R. Friederich 2nd Dist.
Ramsey	4,629	------	------	4,579
Ransom	2,184	------	------	------
Renville	1,141	------	------	------
Richland	5,333	------	------	------
Rolette	1,792	------	------	1,738
Sargent	1,762	------	------	------
Sheridan	996	------	------	------
Sioux	813	------	------	------
Slope	442	------	------	------
Stark	4,531	------	------	------
Steele	1,269	1,254	1,208	------
Stutsman	5,817	------	------	------
Towner	1,195	------	------	1,144
Traill	3,443	3,429	3,292	------
Walsh	4,258	------	------	4,122
Ward	11,640	------	------	------
Wells	2,326	------	------	------
Williams	4,773	------	------	------

TABLE 16.10--*Continued*

County	Judges of District Court				
	Robert L. Eckert 3rd Dist.	M. C. Fredricks 4th Dist.	W. A. Jacobsen 5th Dist.	Nels Olson 5th Dist.	Lyle G. Stuart 6th Dist.
NORTH DAKOTA	16,516	30,271	7,576	19,409	21,172
Adams	------	------	-----	------	1,028
Barnes	------	------	-----	------	------
Benson	------	------	-----	------	------
Billings	------	------	-----	------	400
Bottineau	------	------	-----	------	------
Bowman	------	------	-----	------	1,405
Burke	------	------	677	863	------
Burleigh	------	12,198	-----	------	------
Cass	------	------	-----	------	------
Cavalier	------	------	-----	------	------
Dickey	------	------	-----	------	------
Divide	------	------	525	803	------
Dunn	------	------	-----	------	1,330
Eddy	------	1,300	-----	------	------
Emmons	2,029	------	-----	------	------
Foster	------	1,589	-----	------	------
Golden Valley	------	------	-----	------	828
Grand Forks	------	------	-----	------	------
Grant	------	------	-----	------	1,579
Griggs	------	------	-----	------	------
Hettinger	------	------	-----	------	1,289
Kidder	------	1,097	-----	------	------
La Moure	2,074	------	-----	------	------
Logan	1,050	------	-----	------	------
McHenry	------	------	-----	------	------
McIntosh	1,991	------	-----	------	------
McKenzie	------	------	575	1,475	------
McLean	------	3,567	-----	------	------
Mercer	------	------	-----	------	1,853
Morton	------	------	-----	------	5,077
Mountrail	------	------	715	1,793	------
Nelson	------	------	-----	------	------
Oliver	------	------	-----	------	855
Pembina	------	------	-----	------	------
Pierce	------	------	-----	------	------

TABLE 16.10--*Continued*

County	Judges of District Court				
	Robert L. Eckert 3rd Dist.	M. C. Fredricks 4th Dist.	W. A. Jacobsen 5th Dist.	Nels Olson 5th Dist.	Lyle G. Stuart 6th Dist.
Ramsey	------	------	-----	------	------
Ransom	2,121	------	-----	------	------
Renville	------	1,116	-----	------	------
Richland	5,552	------	-----	------	------
Rolette	------	------	-----	------	------
Sargent	1,699	------	-----	------	------
Sheridan	------	960	-----	------	------
Sioux	------	------	-----	------	785
Slope	------	------	-----	------	439
Stark	------	------	-----	------	4,304
Steele	------	------	-----	------	------
Stutsman	------	6,221	-----	------	------
Towner	------	------	-----	------	------
Traill	------	------	-----	------	------
Walsh	------	------	-----	------	------
Ward	------	------	3,392	10,387	------
Wells	------	2,223	-----	------	------
Williams	------	------	1,692	4,082	------

SOURCE: North Dakota Secretary of State.

* Election held 11/2/78.

TABLE 16.11

COMPOSITION OF STATE LEGISLATURES BY POLITICAL PARTY AFFILIATIONS, 1972-1978

	Lower House							
	1972[1], [2]		1974[3], [4]		1976[5]		1978[11]	
State	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U. S.	3,312	2,242	3,793	1,765	3,755	1,743	3,472	2,010
Ala.	104	2	105	-----	103	-----	101	4
Alaska[9]	20	19	30	9	24	15	24	14
Ariz.	22	38	27	33	22	38	18	42
Ark.[9]	99	1	98	2	96	4	94	6
Calif.[9]	49	31	55	25	57	23	50	30
Colo.[9]	28	37	39	26	30	35	27	38
Conn.	58	93	118	33	93	58	103	48
Del.[9]	20	21	25	16	26	15	21	20
Fla.[9]	78	42	86	34	92	28	89	31
Ga.	151	29	155	24	157	23	159	21
Hawaii	35	16	35	16	40	11	42	9
Idaho	19	51	27	43	22	48	20	50
Ill.	88	89	101	76	94	83	89	88
Ind.[9]	27	73	56	44	48	52	46	54
Iowa[9]	45	55	61	39	59	41	44	56
Kans.	45	80	53	72	65	60	56	69
Ky.[9]	80	20	78	22	77	22	77	22
La.	101	4	101	4	101	4	97	8
Maine	73	78	91	59	89	61	77	73
Md.	121	21	126	15	125	15	125	16
Mass.	184	51	190	45	194	43	129	30
Mich.	60	50	66	44	68	42	70	40
Minn.	78	56	103	31	104	30	67	67
Miss.	119	2	119	3	118	3	119	3
Mo.[9]	97	65	114	49	111	51	117	46
Mont.[9]	54	46	67	33	57	43	55	45
Nebr.	(10)	(10)	(10)	(10)	(10)	(10)	-----	-----
Nev.[9]	25	15	31	9	35	5	25	15
N.H.	137	263	167	233	162	193	174	225
N.J.	66	14	49	31	48	31	54	26
N. Mex.	50	20	51	19	48	22	41	29
N.Y.	69	79	88	62	90	60	86	64
N.C.	85	35	111	9	114	6	105	15
N. DAK.[9]	26	76	40	62	50	50	29	71
Ohio[9]	58	41	59	40	62	37	62	37
Okla.[9]	74	27	76	25	79	22	75	26
Oreg.[9]	33	27	38	22	37	23	34	26
Pa.[9]	94	107	114	89	118	84	101	101
R.I.	72	27	83	17	82	17	82	13
S.C.[9]	103	21	107	17	111	12	108	16

TABLE 16.11--*Continued*

	Lower House							
	1972[1], [2]		1973[3], [4]		1976[5]		1978[11]	
State	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
S. Dak.	35	35	33	37	22	48	20	50
Tenn.	51	48	63	35	66	32	60	38
Tex.[9]	132	17	134	16	132	18	128	22
Utah[9]	31	44	40	35	35	40	25	50
Vt.	58	91	65	75	67	68	70	80
Va.	65	20	78	17	78	17	77	21
Wash.[9]	57	41	62	36	62	36	46	48
W. Va.[9]	57	43	86	14	90	9	74	26
Wis.[9]	62	37	63	36	66	33	60	39
Wyo.[9]	17	44	29	32	29	32	20	42

	Upper House							
	1972[1], [6]		1974[3], [7]		1976[8]		1978[12]	
State	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	1,163	758	1,307	620	1,306	605	1,270	652
Ala.	35	-----	35	-----	33	-----	35	-----
Alaska[9]	9	11	13	7	12	8	10	9
Ariz.	12	18	18	12	16	14	14	16
Ark.[9]	34	1	34	1	34	1	35	-----
Calif.[9]	20	19	25	15	25	14	25	14
Colo.[9]	13	22	16	19	17	18	13	22
Conn.	13	23	29	7	22	14	26	10
Del.[9]	10	11	13	8	13	8	13	8
Fla.[9]	25	14	27	12	29	10	29	11
Ga.	48	8	51	5	52	4	52	4
Hawaii	17	8	18	7	18	7	18	7
Idaho	12	23	13	22	15	20	16	19
Ill.	29	30	34	25	34	25	32	27
Ind.[9]	21	29	23	27	28	22	21	29
Iowa[9]	22	28	26	24	26	24	22	28
Kans.	13	27	14	26	19	21	19	21
Ky.[9]	29	9	30	8	29	8	31	7
La.	38	1	38	1	38	1	38	1
Maine	13	19	14	19	12	20	13	19
Md.	33	10	39	8	39	8	40	7
Mass.	32	8	33	7	33	7	34	6
Mich.	19	19	24	14	23	13	24	14
Minn.	38	28	38	28	48	18	48	19
Miss.	50	2	50	2	50	2	50	1
Mo.[9]	21	13	23	11	21	10	23	11
Mont.[9]	27	23	30	20	25	25	24	26
Nebr.	(10)	(10)	(10)	(10)	(10)	(10)	-----	-----
Nev.[9]	14	6	17	3	17	3	15	5
N.H.	10	14	12	12	9	10	11	13
N.J.	29	10	29	10	29	10	27	13

TABLE 16.11--*Continued*

	Upper House							
	1972[1, 6]		1974[3, 7]		1976[8]		1978[12]	
State	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
N. Mex.	30	12	29	13	33	9	33	9
N.Y.	21	37	26	34	25	35	25	35
N.C.	35	15	49	1	46	4	45	5
N. DAK.[9]	11	40	17	34	18	32	14	37
Ohio[9]	16	17	21	12	21	12	18	15
Okla.[9]	38	10	39	9	39	9	39	9
Oreg.[9]	18	12	22	7	24	6	23	7
Pa.[9]	26	24	29	20	29	19	27	22
R.I.	37	13	46	4	45	5	44	4
S.C.[9]	43	3	44	2	43	3	43	3
S. Dak.	18	17	19	16	11	24	11	24
Tenn.	19	13	20	12	23	9	20	12
Tex.[9]	28	3	28	3	28	3	28	3
Utah[9]	13	16	15	14	17	12	10	19
Vt.	7	23	12	18	10	20	10	20
Va.	34	6	35	5	35	5	34	6
Wash.[9]	31	18	30	19	30	19	30	19
W. Va.[9]	24	10	26	8	28	6	26	8
Wis.[9]	15	18	19	14	23	10	21	10
Wyo.[9]	13	17	15	15	12	18	11	19

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1977; and Congressional Quarterly Weekly Report, Nov. 1978.

[1] Status as of December 1973; includes elections held and vacancies filled in 1973.

[2] Excludes 1 Independent each for Alaska, Miss., R.I., Vt., and Wyo; 2 Independents for Mass.; 15 Independents for Va.; 3 vacancies for Mass.; 2 vacancies each for N.Y. and Pa.; and 1 vacancy each for Mo. and Tex.

[3] Status as of late 1975; includes elections held and vacancies filled in 1975.

[4] Excludes 1 Independent each for Alaska, Maine, Tenn., and Wyo.; 3 Independents for Mass.; 5 Independents for Va., and 10 Independents for Vt,; 1 vacancy for Ga. and 2 vacancies for Mass.

[5] Excludes 1 Independent each for Miss., Tenn., and Wyo,; 3 Independents for Mass.; 5 Independents for Va.; 15 Independents for Vt.; 44 Independents for N.H.; 1 vacancy each for Alaska, Ky., Maine, Md., Mo., N.H., N.J., Pa., R.I., S.C., and W. Va.; and 2 vacancies for Ala.

[6] Excludes 1 Independent each for Fla., Minn., N.J., and Tenn.; 2 vacancies for N.Y. and 1 vacancy for Calif.

[7] Excludes 1 Independent each for Fla., Minn., N.J., Oreg., and Tenn., and 1 vacancy for Pa.

[8] Excludes 1 Independent each for Fla., N.J., and Tenn., 5 Independents for N.H. 1 vacancy each for Calif., Ky., Maine, and Minn,; 2 vacancies each for Ala., Mich., and Pa.; and 3 vacancies for Mo.

[9] Upper House members serve 4-year terms, some elected every 2 years.

[10] Single chamber (unicameral body) of 49 members, elected without party designation.

[11] Status as of Nov. 1978; excludes 1 Liberatarian in Alaska and 1 Independent each for Maine, Mass., Tenn., and 2 Independents for Va.; 1 vacancy for Ky., and 1 undecided or recount for Alaska, Ill., Minn., N.H., Pa., 4 undecided for Wash. and 5 for R.I.

[12] Excludes 1 Independent each for Maine and Tenn., 1 vacancy each for Minn., Pa., and 2 vacancies for Wisc., and 1 undecided each for Alaska and Calif. and 2 in R.I.

17.00

LAW ENFORCEMENT, COURTS, AND PRISONS

This section presents data on crimes, arrests, law enforcement employment and expenditures, jails and prisons, and the legal system of North Dakota. Most crime-related data were obtained from the *Statistical Abstract of the United States*, and the North Dakota Uniform Crime Reporting Program of the North Dakota Bureau of Criminal Investigation and the North Dakota Combined Law Enforcement Council. Additional data were obtained from the North Dakota Supreme Court, the North Dakota Secretary of State, and the North Dakota State Penitentiary.

Prior to 1977, North Dakota crime reports were compiled by the Federal Bureau of Investigation from reports sent by local law enforcement agencies. January, 1977 marked the official beginning of the State Uniform Crime Reporting Program whereby the North Dakota Bureau of Criminal Investigation compiles the local reports and forwards them to the FBI. The advent of the State Uniform Crime Reporting Program has resulted in greater participation rates for counties and cities whereby more are submitting complete crime reports.

The North Dakota Penal System includes city jails, county jails, juvenile detention facilities, and the North Dakota State Penitentiary. Statistics pertaining to incarcerations in city and county jails and juvenile detention centers are maintained by the North Dakota Law Enforcement Council. Prison statistics for the State Penitentiary are available from that institution's Business Office.

Data presented on the North Dakota legal system focus mainly upon the number of legal officials within the State and its various subdivisions. These data are essentially directory information.

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TABLE 17.03

OFFENSES CLEARED BY ARREST OR EXCEPTIONAL MEANS, NORTH DAKOTA, 1978
(For Crimes constituting "FBI Crime Index" only)

Type of Offense	Offenses Reported	Offenses Cleared	Percent Cleared	Percent of Those Cleared That Involved Juviniles
Criminal Homicide				
Murder and Non-negligent Mansl.	8	8	100%	25%
Forcible Rape	58	33	57	3
Rape by Force	35	22	63	0
Assault to Rape-Attempt	23	11	48	9
Robbery	100	42	42	21
Firearm	42	25	60	16
Knife or Cutting Instrument	20	4	20	25
Other Dangerous Weapon	7	5	71	40
Hands, Fists, Feet, etc.	31	8	26	25
Assault	270	172	64	6
Firearm	26	23	88	4
Knife or Cutting Instrument	40	25	63	16
Other Dangerous Weapon	36	19	53	5
Hands, Fists, Feet, etc., - Aggravated	168	105	63	4
Burglary	2,747	489	18	39
Forcible Entry	1,848	368	20	37
Unlawful Entry-No Force	649	92	14	48
Attempted Forcible Entry	250	29	12	34
Larceny-Theft	11,451	2,490	22	38
Motor Vehicle Theft	961	391	41	32
Autos	564	251	45	32
Trucks and Buses	183	81	44	23
Other Vehicles	214	59	28	44
GRAND TOTAL	15,595	3,625	23	35

SOURCE: North Dakota Uniform Crime Reporting Program.

TABLE 17.04

VALUE OF PROPERTY STOLEN BY TYPE OF OFFENSE, NORTH DAKOTA, 1978

	Number of Offenses	Dollar Value Stolen	Average Value Per Offense
Murder and Non-negligent Manslaughter	8	$ -----	$---
Forcible Rape	58	-----	---
Robbery	100	35,576	356
Highway	13	892	69
Commercial House	15	4,882	325
Gas or Service Station	10	4,720	472
Chain Store	19	9,357	492
Residence	15	6,979	465
Bank	4	2,230	558
Miscellaneous	24	6,516	272
Burglary	2,747	868,919	317
Residence	1,374	452,394	329
Night	629	180,556	287
Day	255	77,117	302
Unknown	490	194,711	398
Non-residence	1,373	416,525	304
Night	1,046	302,112	289
Day	49	8,955	183
Unknown	278	105,458	381
Theft (Except Motor Vehicle) by type	11,451	2,621,777	229
Pocket-picking	24	3,323	138
Purse-snatching	118	10,222	87
Shoplifting	1,513	35,812	24
From Motor Vehicles	1,713	700,984	409
Mtr. Veh. Parts & Acces.	2,361	330,162	140
Bicycles	1,858	159,941	86
From Buildings	1,793	551,040	307
From Coin Machines	113	9,884	87
All Other	1,958	820,409	419
Motor Vehicle Theft	961	2,442,178	2,541
Total ALL Offenses	15,325*	5,968,450	-----

SOURCE: North Dakota Uniform Crime Reporting Program.

* This is not the same as the total for all Crime Index offenses because aggravated assault is not included. If there is theft of property associated with aggravated assault then it is classified as robbery.

TABLE 17.01

CRIME RATES BY TYPE: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, 1977[1]

State	Violent Crime				Property Crime			Total Crime Index	State Rank[2]	Percentage Change in Total Crime Index Over Previous Year
	Murder and Non-Negligent Manslaughter	Forcible Rape	Robbery	Aggravated Assault	Burglary-Breaking or Entering	Larceny-Theft	Auto Theft			
United States	8.8	29.1	187.1	242	1,411	2,730	448	5,055	---	- 4.0%
NORTH DAKOTA	1.9	9.0	13.3	44	446	1,843	145	2,501	49	- 0.5
South Dakota	2.0	13.5	17.9	156	571	1,704	147	2,612	47	- 1.1
Montana	5.4	16.7	39.2	157	805	2,773	309	4,105	33	- 3.7
Nebraska	3.9	18.1	64.7	113	760	2,316	249	3,525	43	-11.0
Minnesota	2.7	19.5	85.9	86	1,135	2,559	343	4,231	29	- 2.3
Iowa	2.3	10.6	41.2	90	813	2,685	220	3,862	37	- 4.7
Kansas	6.6	22.0	100.7	181	1,270	2,739	244	4,564	25	- 4.5
Missouri	9.6	28.3	189.0	233	1,318	2,424	378	4,581	24	- 9.0

SOURCE: U.S. Department of Justice, Federal Bureau of Investigation, Uniform Crime Reports for the United States, 1978.

[1] Crimes known to the police per 100,000 population. The seven crimes included herein constitute what is termed the "FBI Crime Index." See following table for definition of crimes.

[2] Determined by ranking total crime indices for all 50 states.

TABLE 17.02

NORTH DAKOTA CRIME RATES BY TYPE OF CRIME, SELECTED YEARS, 1950-1978[1]

Year	Violent Crime					Property Crime				
	Murder and Non-negligent Manslaughter[2]	Forcible Rape[3]	Robbery[4]	Aggravated Assaults[5]	Violent Crime Index	Burglary-Breaking or Entering[6]	Larceny-Theft[7]	Auto Theft[8]	Property Crime Index	Total Crime Index
1950	---	NA	4.5	3.2	7.7	272.9	927.1	101.2	1,301.2	1,308.9
1960	0.5	2.2	6.3	5.2	14.2	198.0	92.5	68.0	358.5	372.7
1965	0.9	5.1	4.6	23.6	34.2	206.8	183.9	76.8	467.5	501.7
1970	0.5	6.2	6.5	21.0	33.7	286.4	434.6	91.0	812.0	845.7
1971	1.3	4.2	7.5	25.1	38.1	339.8	541.4	86.7	967.9	1,006.0
1972	1.3	4.9	8.9	30.9	46.0	357.1	530.2	90.7	978.0	1,024.0
1973	0.8	7.3	7.3	45.3	60.7	383.4	1,502.8	131.4	2,017.7	2,078.4
1974	1.4	7.8	12.9	27.9	50.1	433.0	1,544.7	132.3	2,110.0	2,160.1
1975	0.8	5.8	14.3	32.1	53.1	539.2	1,614.3	130.6	2,284.1	2,337.2
1976	1.4	5.4	15.9	48.7	71.4	478.5	1,804.3	159.3	2,442.1	2,513.5
1977	0.9	8.4	13.3	43.6	66.3	442.3	1,829.9	143.2	2,415.3	2,481.6
1978	1.2	8.9	15.3	41.4	66.9	421.3	1,756.3	147.4	2,325.0	2,391.0

SOURCE: U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years, and North Dakota Uniform Crime Reporting Program.

[1] Offenses known to police per 100,000 population, crimes constituting "FBI Crime Index" only.

[2] All willful felonious homicides. Excludes attempts to kill, assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence.

[3] Limited to forcible rapes and attempts.

[4] Includes the stealing or taking of anything of value by force or violence or by threat of force or violence; includes attempted robbery.

[5] Includes assault with intent to kill. Excludes simple assault, assault and battery, fighting, etc.

[6] Includes any unlawful entry to commit a felony or theft. Includes attempted burglary and burglary followed by theft

[7] Includes theft of property or articles of value (except auto theft) without the use of force and violence or fraud. Includes offenses $50 and over prior to 1973 and all offenses (regardless of value) thereafter.

[8] Includes all cases where motor vehicles are driven away and abandoned. Excludes those taken for temporary use when actually returned by taker.

TABLE 17.05

VALUE OF PROPERTY STOLEN BY TYPE OF PROPERTY, NORTH DAKOTA, 1978

Type of Property	Stolen	Value Recovered	Percent Recovered
Currency	$ 404,450	$ 169,633	42%
Jewelry	167,522	21,981	13
Clothing	97,670	19,465	20
Local Stolen Autos	2,464,398*	2,063,603	84
Office Equipment	24,136	6,549	27
TV, Radio, Etc.	379,361	46,442	12
Firearms	124,437	23,630	19
Household Goods	137,592	21,158	15
Consumable Goods	56,414	9,867	17
Livestock	68,131	6,050	8
Miscellaneous	2,045,166	401,647	20
TOTAL	5,969,383*	2,790,073	47

SOURCE: North Dakota Uniform Crime Reporting Program.

* Differences in this figure and values found on table labeled Value of Property Stolen are due to errors made by some agencies in recording the information. Errors of this nature are estimated to alter the value of property data by less than 1 percent.

TABLE 17.07

CRIMES AND CRIME RATES BY TYPE, NORTH DAKOTA'S LARGEST CITIES, 1978
(Crimes constitutuing "FBI Crime Index" only)

City	Violent Crime							
	Murder and Non-negligent Manslaughter		Forcible Rape		Robbery		Aggravated Assault	
	No.[1]	Rate[2]	No.[1]	Rate[2]	No.[1]	Rate[2]	No.[1]	Rate[2]
Fargo	1	1.7	6	10.4	34	59.0	36	62.5
Grand Forks	2	4.6	4	9.2	9	20.7	32	73.6
Bismarck	--	---	4	9.4	23	54.2	22	51.9
Minot	1	2.9	2	5.7	5	14.3	19	54.3
Jamestown	--	---	1	6.3	3	18.8	3	18.8
Mandan	--	---	1	7.0	1	7.0	2	14.0
Dickinson	--	---	3	21.4	3	21.4	8	57.1
Williston	--	---	1	8.5	2	16.9	1	8.5
Wahpeton	--	---	2	23.8	--	----	2	23.8
West Fargo	--	---	1	11.9	2	23.8	4	47.6
Valley City	--	---	1	12.7	1	12.7	3	38.0
Devils Lake	--	---	--	----	3	38.5	2	25.6
Grafton	1	16.4	--	----	--	----	4	65.6
Rugby	--	---	1	30.3	--	----	--	----
Langdon	--	---	--	----	1	34.5	3	103.4
15 City Total	5	1.8	27	9.7	86	30.8	144	51.5
All Other Areas Total	3	0.8	31	8.3	14	3.8	126	33.8
N.D. Total	8	1.2	58	8.9	100	15.3	270	41.4
15 Cities as % of N.D.	62.5%	(3)	46.6%	(3)	86.0%	(3)	53.3%	(3)

City	Property Crime							
	Burglary		Larceny-Theft		Motor Vehicle Theft		Total Crimes	
	No.[1]	Rate[2]	No.[1]	Rate[2]	No.[1]	Rate[2]	No.[1]	Rate[2]
Fargo	452	784.7	2,063	3,581.6	169	293.4	2,761	4,793.4
Grand Forks	296	680.5	1,705	3,919.5	123	282.8	2,171	4,990.8
Bismarck	345	834.9	1,659	3,912.7	122	287.7	2,184	5,150.9
Minot	191	545.7	892	2,548.6	71	202.9	1,181	3,374.3
Jamestown	127	793.8	475	2,968.8	37	231.3	646	4,037.5
Mandan	94	657.3	387	2,706.3	36	251.7	521	3,643.4
Dickinson	76	542.9	399	2,850.0	18	128.6	507	3,621.4
Williston	35	296.6	234	1,983.1	17	144.1	290	2,457.6
Wahpeton	46	547.6	229	2,726.2	26	309.5	305	3,631.0
West Fargo	38	452.4	185	2,202.4	4	47.6	234	2,785.7
Valley City	10	126.6	221	2,797.5	14	177.2	250	3,164.6
Devils Lake	43	551.3	317	4,064.1	31	397.4	396	5,076.9
Grafton	18	295.1	141	2,311.5	19	311.5	183	3,000.0
Rugby	19	575.8	63	1,909.1	--	-----	83	2,515.2
Langdon	11	379.3	43	1,482.8	4	137.9	62	2,137.9
15 City Total	1,810	647.8	9,013	3,225.8	691	247.3	11,774	4,214.0
All Other Cities Total	937	251.5	2,438	654.3	270	72.5	3,821	1,025.5
N.D. Total	2,747	421.3	11,451	1,756.3	961	147.4	15,595	2,391.9
15 Cities as % of N.D.	65.9%	(3)	78.7%	(3)	71.9%	(3)	75.5%	(3)

SOURCE: North Dakota State Uniform Crime Reporting Program.

[1] Number reported to law enforcement authorities.

[2] Rate per 100,000 population. [3] Not applicable.

TABLE 17.08

RANK ORDER OF NORTH DAKOTA'S LARGEST CITIES BASED UPON INDICES OF CRIME[1], 1978

City	Rank with Respect to Indices of					
	Violent Crime		Property Crime		Total Crime	
	Rank	Rate[2]	Rank	Rate[2]	Rank	Rate[2]
Fargo	2	133.7	4	4,659.7	4	4,793.4
Grand Forks	4	108.0	3	4,882.8	3	4,990.8
Bismarck	3	115.6	1	5,035.4	1	5,150.9
Minot	8	77.1	9	3,297.1	9	3,374.3
Jamestown	12	43.8	5	3,993.7	5	4,037.5
Mandan	15	28.0	6	3,615.4	6	3,643.4
Dickinson	5	100.0	8	3,521.4	8	3,621.4
Williston	13	33.9	14	2,423.7	14	2,457.6
Wahpeton	11	47.6	7	3,583.3	7	3,631.0
West Fargo	6	83.3	12	2,702.4	12	2,785.7
Valley City	10	63.3	10	3,101.3	10	3,164.6
Devils Lake	9	64.1	2	5,012.8	2	5,076.9
Grafton	7	82.0	11	2,918.0	11	3,000.0
Rugby	14	30.3	13	2,484.8	13	2,515.2
Langdon	1	137.9	15	2,000.0	15	2,137.9

SOURCE: North Dakota Uniform Crime Reporting Program.

[1] For "FBI Crime Index" only.

[2] Figures indicate rates per 100,000 population.

TABLE 17.09

PRISONERS IN STATE PRISONS: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1976[1]

State	1950	1955	1960	1965	1970[2]	1976
United States	148,989	165,692	189,735	189,855	176,391	236,492
NORTH DAKOTA	235	228	248	208	147	162
South Dakota	451	423	526	571	391	478
Montana	595	529	602	586	260	551
Nebraska	1,147	1,080	1,269	1,151	1,001	1,438
Minnesota	1,879	1,964	2,059	1,772	1,585	1,624
Iowa	2,084	2,203	2,204	2,178	1,747	1,891
Kansas	1,959	1,974	2,313	2,791	1,902	2,078
Missouri	3,400	3,966	3,698	3,517	3,413	4,997

SOURCE: U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States.

[1] Prisoners present at end of year stated.

[2] United States total excludes transfers reflected in state figures.

TABLE 17.10

NORTH DAKOTA STATE PENITENTIARY STATISTICS, 1965-1979

Year	Prisoners Present At Beginning of Year	Prisoners Released During Year	Prisoners Committed During Year
1965	240	63	31
1966	208	50	41
1967	199	35	18
1968	182	133	107
1969	156	102	107
1970	161	129	109
1971	141	127	93
1972	107	115	152
1973	144	139	152
1974	157	182	157
1975	132	129	172
1976	175	180	210
1977	205	177	218
1978	246	242	206
1979	220	---	---

SOURCE: Calculations from data supplied by North Dakota State Penitentiary, Business Office.

TABLE 17.06

CRIME RATES BY NORTH DAKOTA COUNTY, 1978

County	Crime Rate*	County Rank	County	Crime Rate*	County Rank
Adams	324.3	44	McLean	2,016.5	13
Barnes	2,430.7	9	Mercer	698.8	37
Benson	1,059.5	28	Morton	2,542.0	8
Billings	272.7	49	Mountrail	376.5	42
Bottineau	1,704.1	15	Nelson	813.6	33
Bowman	3,581.4	5	Oliver	1,560.0	21
Burke	744.2	35	Pembina	1,387.4	22
Burleigh	4,427.2	1	Pierce	1,615.4	18
Cass	3,964.7	2	Ramsey	3,673.9	3
Cavalier	1,149.8	25	Ransom	690.1	38
Dickey	729.7	36	Renville	297.3	48
Divide	96.4	52	Richland	2,021.5	12
Dunn	604.2	40	Rolette	1,279.1	23
Eddy	1,567.6	20	Sargent	98.4	51
Emmons	462.7	41	Sheridan	1,588.2	19
Foster	1,040.8	29	Sioux	210.5	50
Golden Valley	960.0	31	Slope	307.7	46
Grand Forks	3,650.5	4	Stark	2,726.8	7
Grant	1,140.0	26	Steele	0.0	53
Griggs	317.1	45	Stutsman	3,034.8	6
Hettinger	617.0	39	Towner	1,697.7	16
Kidder	1,000.0	30	Traill	1,113.4	27
La Moure	338.2	43	Walsh	1,656.8	17
Logan	750.0	34	Ward	2,378.9	10
McHenry	302.3	47	Wells	1,253.5	24
McIntosh	823.5	32	Williams	2,113.4	11
McKenzie	1,720.6	14			

SOURCE: North Dakota Uniform Crime Reporting Program.

* Total "index offenses" per 100,000 population.

TABLE 17.11

NORTH DAKOTA COUNTY AND CITY JAIL STATISTICS, 1978

Jail	Total Incarcerations	Average Length Of Incarceration Hours	Average Daily Population	Jail Capacity
County Jails:				
Adams	15	147	.25	8
Barnes	582	77	5.12	20
Bottineau	110	101	1.27	8
Bowman	7	77	.06	4
Burke	38	21	.09	8
Burleigh	1,401	110	17.59	24
Cass	3,274	68	25.41	81
Cavalier	100	37	.42	10
Dickey	95	67	.73	4
Divide	44	25	.13	4
Dunn	15	103	.18	6
Eddy	103	8	.09	5
Emmons	14	18	.03	4
Foster	35	20	.08	11
Golden Valley	46	34	.18	4
Grand Forks	2,755	58	18.24	60
Grant	9	368	.38	5
Griggs	19	14	.03	4
Hettinger	7	169	.14	4
Kidder	14	14	.02	2
Logan	12	7	.01	2
McHenry	54	80	.49	7
McIntosh	14	14	.02	4
McKenzie	113	99	1.28	6
McLean	161	29	.53	15
Mercer	151	61	1.05	6
Morton	532	56	3.40	20
Mountrail	24	21	.06	4

TABLE 17.11--*Continued*

Jail	Total Incarcerations	Average Length Of Incarceration Hours	Average Daily Population	Jail Capacity
Pembina	170	49	.95	12
Pierce	54	88	.54	8
Ramsey	1,247	139	19.79	43
Ransom	71	16	.13	5
Renville	10	13	.01	4
Richland	629	37	2.66	24
Rolette	481	79	4.34	19
Sargent	23	54	.14	4
Sheridan	14	15	.02	4
Stark	248	100	3.83	9
Stutsman	733	65	5.44	16
Traill	168	158	3.03	14
Walsh	505	65	3.75	16
Ward	674	65	5.00	27
Wells	49	108	.60	5
Williams	752	100	8.58	28
City Jails:				
Bowman	26	8	.02	2
Dickinson	218	13	.32	2
Dunseith	422	46	2.22	6
Edgeley	1	17	.002	3
Glen Ullen	1	5	.0005	2
Minot	684	19	1.48	14
Mott	3	7	.002	1
New Town	30	3	.01	11
Ray	4	13	.006	2
Juvenile Detention Centers:				
Barnes County		Data Included In Barnes County Jail Statistics		
Cass County	211	89	2.14	12
Grand Forks County	204	66	1.54	8

SOURCE: North Dakota Law Enforcement Council.

TABLE 17.13

STATE AND FEDERAL JUDGES, NORTH DAKOTA, 1979

U.S. COURT OF APPEALS:	Myron H. Bright, U.S. Circuit Judge, Fargo
	Charles J. Vogel, Senior U.S. Circuit Judge, Fargo
U.S. DISTRICT COURT:	Paul Benson, Chief Judge, Fargo
	Ronald M. Davies, Senior Judge, Fargo
	Bruce M. Van Sickle, Judge, Bismarck
N.D. SUPREME COURT:	Ralph J. Erickstad, Chief Justice
	William L. Paulson, Justice
	Paul M. Sand, Justice
	Vernon R. Pederson, Justice
	Gerald W. VandeWalle, Justice
	NORTH DAKOTA DISTRICT COURTS AND CHAMBER CITIES[1]
EAST CENTRAL DISTRICT:	John O. Garaas, Fargo
	Norman J. Backes,* Fargo[2]
	Roy K. Redetzke, Fargo
NORTHEAST CENTRAL DIST:	A. C. Baaken,* Grand Forks
SOUTH EAST DISTRICT:	Hamilton E. Englert, Valley City
	M. C. Fredericks, Jamestown
	Robert L. Eckert,* Wahpeton
SOUTH CENTRAL DISTRICT:	Benny Graff,* Bismarck
	William F. Hodny, Mandan
	Larry Hatch, Linton
	Gerald G. Glaser, Bismarck
NORTHWEST DISTRICT:	Roy A. Ilvedson,* Minot
	Everett Nels Olson, Williston
	William M. Beede, Minot
SOUTHWEST DISTRICT:	Norbert J. Muggli,* Dickinson
	Lyle G. Stuart, Hettinger
NORTHEAST DISTRICT[3]:	Douglas B. Heen,* Devils Lake
	James H. O'Keefe, Grafton

SOURCE: North Dakota State Bar Board, 1979 Directory of Judges and Attorneys, and information supplied by Clerk of North Dakota Supreme Court.

[1] List is incomplete pending appointments of additional judges necessitated by judicial redistricting which became effective July 1, 1979. Two additional judges will be assigned to Fargo while Bismarck, Grand Forks and Minot will each receive one additional judge.

[2] Asterik denotes presiding judge of District.

[3] Successor will be appointed to position previously occupied by the deceased Ray R. Friedrich, Rugby.

TABLE 17.14

NORTH DAKOTA COUNTY LEGAL OFFICIALS, 1979

County	County Seat	Sheriff	Clerk of Court
Adams	Hettinger	Kenneth C. Wilson	Norma Fulker
Barnes	Valley City	William Nogowski	Elsie Lossau
Benson	Minnewaukan	Jerry W. Lysne	Joel D. Medd
Billings	Medora	Ted Cornell	Joy V. Chase
Bottineau	Bottineau	Lyle D. Lunde	Ross McNea
Bowman	Bowman	Morrell McGee	Evelyn Bolte
Burke	Bowbells	Russell McIntyre	Dominic Buzzell
Burleigh	Bismarck	Frederick R. Harvey	Marian Barbie
Cass	Fargo	Donald J. Rudnick	Ruth Hellem
Cavalier	Langdon	Joe Peltier	Dorothy Adam
Dickey	Ellendale	Walter Raugutt	Robert L. Johnson
Divide	Crosby	Irving A. Johnson	Shirley Peterman
Dunn	Manning	Robert Ingold	Leone P. Scott
Eddy	New Rockford	Edward J. Allmaras	W. Jane Dunham
Emmons	Linton	Art Sauter	Aloysius P. Schmidt
Foster	Carrington	James R. Dunn	Henry Kirchoff
Golden Valley	Beach	Mark Morth	Marian Schatz
Grand Forks	Grand Forks	Gordon J. Taylor	Vivian L. Seim
Grant	Carson	Calvin Trauger	Andy Klein
Griggs	Cooperstown	Vernon M. Fugelstad	Lillie Simenson
Hettinger	Mott	Reinhold Schaible	Hugo J. Auer
Kidder	Steele	Arnold E. Kraft	Mayvis Strom
La Moure	La Moure	Darwyn Worrel	Thomas Nielsen
Logan	Napoleon	Math Schneider	Dennis D. Schulz
McHenry	Towner	Clifford O. Larson	Arlen Merbach
McIntosh	Ashley	Milton O. Wiest	Henry Kranzler
McKenzie	Watford City	Jim Quickstad	Lester Wchrung
McLean	Washburn	Arlin Thompson	R.M. Lundberg
Mercer	Stanton	Ronald Kessler	Harold E. Buri
Morton	Mandan	Leo Snider	Mildred Block
Mountrail	Stanley	Kenneth Halvorson	Gertrude Reep
Nelson	Lakota	Arthur Varty	Audrey Swanke
Oliver	Center	Gordon Albers	Harold Albers
Pembina	Cavalier	Glenn E. Wells	Bernice E. Bernhoft
Pierce	Rugby	Jerry L. Haugen	Howard Burns
Ramsey	Devils Lake	Bert M. Roed	Ronald M. Dosch
Ransom	Lisbon	Everett V. Olerud	George Margulies
Renville	Mohall	Robert F. Thomas	Robert E. Reiser
Richland	Wahpeton	Earl Dosch	Lorraine Dale
Rolette	Rolla	Bryant Mueller	Mary Slunaker

TABLE 17.14--*Continued*

County	County Seat	Sheriff	Clerk of Court
Sargent	Forman	Russell Clark	Amy Parrow
Sheridan	McClusky	L.S. Hanson	Hilmer D. Zimbelman
Sioux	Fort Yates	Miles Utter	Madeline Disrud
Slope	Amidon	Elmer C. Morland	Anna Katherin
Stark	Dickinson	Harold J. Schneider	Ardean Quellette
Steele	Finley	Gilman H. Johnson	Arnold H. Johnson
Stutsman	Jamestown	David Orr	Norine Knudson
Towner	Cando	Howard Soderberg	Judith R. Hoffman
Traill	Hillsboro	Richard Fisher	Howard Carver
Walsh	Grafton	Joey L. Pederson	Dorothy Martell
Ward	Minot	Leon A. Schwan	Eldore Leier
Wells	Fessenden	Curtis D. Pellett	Samuel D. Krause
Williams	Williston	Arthur Olson	Irving Strand

County	County Judge	County Justices*	State's Attorney
Adams	Norma Fulker	T.L. Secrest	William G. Goetz
Barnes	C. James Cieminski	-------------------	John "Jack" Paulson
Benson	Joel D. Medd	-------------------	Joe Dietchman
Billings	Joy V. Chase	Joy V. Chase	Jay Brovold
Bottineau	Ross McNea	Lester Ketterling	A.S. Benson
Bowman	Evelyn Bolte	C.H. Strand	Zane Anderson
Burke	Dominic Buzzell	A.J. Pederson	Jeffrey J. Peterson
Burleigh	Dennis A. Schneider	-------------------	John Olson
Cass	Michael O. McGuire	-------------------	Cynthia A. Rothe
Cavalier	Dorothy Adam	Paul Crary	Cameron Sillers
Dickey	Robert L. Johnson	J.B. Graham	James N. Purdy
Divide	Shirley Peterman	F. Leslie Forsgren	Robert W. Kinsey
Dunn	Leone P. Scott	Harry L. Malloy	Marshall T. Bergerud
Eddy	W. Jane Dunham	John D. Hovey	Robert E. Manley
Emmons	Aloysius P. Schmidt	Jerry Huizenga	F.C. Rohrich
Foster	Henry Kirchoff	R.C. Heinley	Fabian E. Noack
Golden Valley	Marian Schatz	Brian W. Keohane	Orrin B. Lovell
Grand Forks	Frank Kosanda	-------------------	James T. Odegard
Grant	Andy Klein	T.L. Secrest	Ronald J. Weikum
Griggs	Lillie Simenson	Joel N. Goplen	Alph J. Overby
Hettinger	Hugo J. Auer	T.L. Secrest	James M. Vukelic
Kidder	Mayvis Strom	John W. Jensen	Gordon O. Hoberg
La Moure	Thomas Nielsen	-------------------	Ronald G. Splitt
Logan	Dennis D. Schulz	Gerald A. Kuhn	Gordon O. Hoberg
McHenry	Arlen Merbach	Loren C. Rasmussen	Joseph C. McIntee
McIntosh	Henry Kranzler	Richard E. Herr	Bruce E. Kretschmar
McKenzie	Lester Wehrung	William McLees Jr.	H.F. Gierke III
McLean	R.M. Lundberg	Richard Carver	John Romanick
Mercer	Robert A. Mandell	-------------------	John Jacobson
Morton	William Engelter, Jr.	William Engelter, Jr.	Jos. A. Vogel, Jr.

TABLE 17.14--*Continued*

County	County Judge	County Justices*	State's Attorney
Mountrail	Gertrude Reep	Ralph W. Bekken	Robert W. Holte
Nelson	Audrey Swanke	Idean M. Locken	Randy Deede
Oliver	Harold Albers	Harold Albers	John Mahoney
Pembina	Bernice E. Bernhoft	Paul Crary	Robert N. Lee
Pierce	Howard Burns	Carlan J. Kraft	Charles D. Orvik
Ramsey	Ronald M. Dosch	------------------	Lewis C. Jorgenson
Ransom	George Margulies	------------------	Wayne P. Jones
Renville	Robert E. Reiser	Robert E. Reiser	Erwin H. Brendel
Richland	Bayard Lewis	Bayard Lewis	Earle Myers, Jr.
Rolette	Mary Slunaker	J. Howard Stormon	Arne F. Boyum
Sargent	Amy Parrow	Stephen M. McLean	Robert A. Case
Sheridan	Hilmer D. Zimbelman	Roy H. Swendsen	Walter M. Lipp
Sioux	Madeline Disrud	Burt Riskedahl	Maury Thompson
Slope	Anna Katherin	C.H. Strand	Robert A. Keogh
Stark	Thomas Ewing	------------------	Albert J. Hardy
Steele	Arnold H. Johnson	Arnold H. Johnson	Raymond R. Rund
Stutsman	Harold B. Herseth	------------------	Charles J. Gilje
Towner	Judith R. Hoffman	Lewis C. Jorgenson	Larry M. Baer
Traill	Howard Carver	Gene C. Grindeland	Stuart A. Larson
Walsh	Ted Weisenburger	------------------	John F. Burke
Ward	Halvor L. Halvorson	------------------	Tom P. Slorby
Wells	Samuel D. Krause	------------------	Aloys Wartner, III
Williams	Lawrence O'Connell	------------------	Gerald Rustad

SOURCE: North Dakota Secretary of State.

* Counties with courts of increased jurisdiction have no county justice.

TABLE 17.15

LAWYERS: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, SELECTED YEARS, 1954-1970*

State	1954	1957	1960	1963	1966	1970
United States	241,514	262,320	285,933	296,069	313,462	324,818
NORTH DAKOTA	683	691	738	753	745	728
South Dakota	770	785	758	786	794	812
Montana	930	967	1,028	961	970	978
Nebraska	2,314	2,334	2,344	2,438	2,525	2,481
Minnesota	4,048	4,372	4,712	4,933	5,188	5,481
Iowa	3,496	3,492	3,556	3,614	3,810	3,820
Kansas	2,563	2,688	2,985	2,974	3,114	3,126
Missouri	6,930	7,031	7,453	7,409	7,692	7,230

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* Includes lawyers not reporting; all years include an estimated adjustment to account for duplications.

TABLE 17.16

LICENSED ATTORNEYS BY NORTH DAKOTA COUNTY, MARCH 1979

County	Licensed Attorneys	County	Licensed Attorneys
Adams	4	Mercer	7
Barnes	15	Morton	23
Benson	3	Mountrail	9
Billings	2	Nelson	4
Bottineau	8	Oliver	1
Bowman	6	Pembina	9
Burke	3	Pierce	7
Burleigh	189	Ramsey	19
Cass	206	Ransom	6
Cavalier	6	Renville	2
Dickey	4	Richland	18
Divide	3	Rolette	4
Dunn	1	Sargent	2
Eddy	6	Sheridan	2
Emmons	4	Sioux	1
Foster	5	Slope	0
Golden Valley	3	Stark	36
Grand Forks	123	Steele	1
Grant	3	Stutsman	24
Griggs	3	Towner	2
Hettinger	4	Traill	11
Kidder	4	Walsh	16
La Moure	4	Ward	65
Logan	2	Wells	5
McHenry	4	Williams	27
McIntosh	4		
McKenzie	5	Total Resident	930
McLean	5	Total Non-Resident	93

SOURCE: Clerk, North Dakota Supreme Court.

18.00

PUBLIC LANDS, PARKS, RECREATION, AND TRAVEL

This section provides data on selected State and Federally owned lands in North Dakota and statistics pertaining to state recreational facilities and travel.

The primary source of information on State owned lands is the North Dakota Parks and Recreation Department's preliminary draft of its 1980 *State Comprehensive Outdoor Recreation Plan*. This source also provides detailed inventories of recreational facilities in the state, portions of which are reproduced in this section. Visitation figures for North Dakota parks (State and National) and State forest areas are also provided. Data on State school lands are reported in the *Biennial Report* of the North Dakota Board of University and School Lands.

Data on the extent of Federally owned lands in North Dakota are provided in *Public Land Statistics*, published annually by the U.S. Department of Interior Bureau of Land Management (BLM). This source also provides cumulative totals of Federal Land Grants made to states for the period 1803 to 1976. Another BLM publication, *Public Lands Digest-Montana, North Dakota, and South Dakota*, reports lands under that agency's jurisdiction by North Dakota county.

Data indicating North Dakota county acreages administered by the U.S. Forest Service were provided by the agency's Bismarck office. Data on selected other Federally owned lands: U.S. Fish and Wildlife Service National Wildlife Refuges, U.S. Fish and Wildlife Service Waterfowl Production Areas, and U.S. Army Corps of Engineer lands, are provided in the previously cited *State Comprehensive Outdoor Recreation Plan.*

Data on North Dakota travel and tourism are unfortunately quite limited and very few statistics are reported herein. The travel-related data reported here are taken from estimates provided by the U.S. Travel Data Center in Washington, D.C.

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TABLE 18.01

ACREAGE OF FEDERAL LAND GRANTS MADE TO STATES, 1803-1976

State	Purpose				
	Common Schools	Other Schools	Other Institutions	Railroads	Wagon Roads
Alabama	911,627	383,785	181	2,747,479	---------
Alaska	106,000	112,064	1,000,000	---------	---------
Arizona	8,093,156	849,197	500,000	---------	---------
Arkansas	933,778	196,080	---------	2,563,721	---------
California	5,534,293	196,080	---------	---------	---------
Colorado	3,685,618	138,040	32,000	---------	---------
Connecticut	---------	180,000	---------	---------	---------
Delaware	---------	90,000	---------	---------	---------
Florida	975,307	182,160	---------	2,218,705	---------
Georgia	---------	270,000	---------	---------	---------
Idaho	2,963,698	386,686	250,000	---------	---------
Illinois	996,320	526,080	---------	2,595,133	---------
Indiana	668,578	436,080	---------	---------	170,580
Iowa	1,000,679	286,080	---------	4,706,945	---------
Kansas	2,907,520	151,270	127	4,176,329	---------
Kentucky	---------	330,000	24,607	---------	---------
Louisiana	807,271	256,292	---------	373,057	---------
Maine	---------	210,000	---------	---------	---------
Maryland	---------	210,000	---------	---------	---------
Massachusetts	---------	360,000	---------	---------	---------
Michigan	1,021,867	286,080	---------	3,134,058	221,013
Minnesota	2,874,951	212,160	---------	8,047,469	---------
Mississippi	824,213	348,240	---------	1,075,345	---------
Missouri	1,221,813	376,080	---------	1,837,968	---------
Montana	5,198,258	388,721	100,000	---------	---------
Nebraska	2,730,951	136,080	32,000	---------	---------
Nevada	2,061,967	136,080	12,800	---------	---------
New Hampshire	---------	150,000	---------	---------	---------
New Jersey	---------	210,000	---------	---------	---------
New Mexico	8,711,324	1,346,546	750,000	---------	---------
New York	---------	990,000	---------	---------	---------
North Carolina	---------	270,000	---------	---------	---------
NORTH DAKOTA	2,495,396	336,080	250,000	---------	---------
Ohio	724,266	699,120	---------	---------	80,774
Oklahoma	1,375,000	1,050,000	670,760	---------	---------
Oregon	3,399,360	136,165	---------	---------	2,583,890
Pennsylvania	---------	780,000	---------	---------	---------
Rhode Island	---------	120,000	---------	---------	---------
South Carolina	---------	180,000	---------	---------	---------
South Dakota	2,733,084	366,080	250,640	---------	---------
Tennessee	---------	300,000	---------	---------	---------
Texas	---------	180,000	---------	---------	---------
Utah	5,844,196	556,141	500,160	---------	---------
Vermont	---------	150,000	---------	---------	---------
Virginia	---------	300,000	---------	---------	---------
Washington	2,376,391	336,080	200,000	---------	---------
West Virginia	---------	150,000	---------	---------	---------
Wisconsin	982,329	332,160	---------	3,652,322	302,931
Wyoming	3,470,009	136,080	420,000	---------	---------
Total	77,629,220	16,707,787	4,993,275	37,128,531	3,359,188

TABLE 18.01--*Continued*

State	Purpose				Total
	Canals & Rivers	Misc. Improvements (not spec.)	Swamp Reclamation	Other Purposes	
Alabama	400,016	97,469	441,666	24,660	5,006,883
Alaska	---------	---------	---------	103,351,187	104,569,251
Arizona	---------	---------	---------	1,101,400	10,543,753
Arkansas	---------	500,000	7,686,575	56,680	11,936,834
California	---------	500,000	2,193,967	400,768	8,825,108
Colorado	---------	500,000	---------	115,946	4,471,604
Connecticut	---------	---------	---------	---------	180,000
Delaware	---------	---------	---------	---------	90,000
Florida	---------	500,000	20,333,074	5,120	24,214,366
Georgia	---------	---------	---------	---------	270,000
Idaho	---------	---------	---------	654,064	4,254,448
Illinois	324,283	209,086	1,460,164	123,589	6,234,655
Indiana	1,480,409	---------	1,259,271	25,600	4,040,518
Iowa	321,342	500,000	1,196,392	49,824	8,061,262
Kansas	---------	500,000	---------	59,423	7,794,669
Kentucky	---------	---------	---------	---------	354,607
Louisiana	---------	500,000	9,504,641	---------	11,441,261
Maine	---------	---------	---------	---------	210,000
Maryland	---------	---------	---------	---------	210,000
Massachusetts	---------	---------	---------	---------	360,000
Michigan	1,250,236	500,000	5,680,312	49,280	12,142,846
Minnesota	---------	500,000	4,706,591	80,880	16,422,051
Mississippi	---------	500,000	3,348,946	1,253	6,097,997
Missouri	---------	500,000	3,432,521	48,640	7,417,022
Montana	---------	---------	---------	276,359	5,963,338
Nebraska	---------	500,000	---------	59,680	3,458,711
Nevada	---------	500,000	---------	14,379	2,725,226
New Hampshire	---------	---------	---------	---------	150,000
New Jersey	---------	---------	---------	---------	210,000
New Mexico	100,000	---------	---------	1,886,848	12,794,718
New York	---------	---------	---------	---------	990,000
North Carolina	---------	---------	---------	---------	270,000
NORTH DAKOTA	---------	---------	---------	82,076	3,163,552
Ohio	1,204,114	---------	26,372	24,216	2,758,862
Oklahoma	---------	---------	---------	---------	3,095,760
Oregon	---------	500,000	286,108	127,324	7,032,847
Pennsylvania	---------	---------	---------	---------	780,000
Rhode Island	---------	---------	---------	---------	120,000
South Carolina	---------	---------	---------	---------	180,000
South Dakota	---------	---------	---------	85,569	3,435,373
Tennessee	---------	---------	---------	---------	300,000
Texas	---------	---------	---------	---------	180,000
Utah	---------	---------	---------	601,240	7,501,737
Vermont	---------	---------	---------	---------	150,000
Virginia	---------	---------	---------	---------	300,000
Washington	---------	---------	---------	132,000	3,044,471
West Virginia	---------	---------	---------	---------	150,000
Wisconsin	1,022,349	500,000	3,361,283	26,430	10,179,804
Wyoming	---------	---------	---------	316,431	4,342,520
Total	6,102,749	7,806,555	64,917,883	109,780,866	328,426,054

SOURCE: U.S. Dept. of the Interior, Bureau of Land Management, Public Land Statistics, 1976.

TABLE 18.02

FEDERALLY OWNED LAND: ACREAGE IN NORTH DAKOTA BY AGENCY*

Agency	Public Domain	Acquired	Total
Total Acres	209,122	2,111,779	2,320,902
Agricultural Research Service	-------	1,130	1,130
Forest Service	106,575	999,010	1,105,585
Atomic Energy Commission	-------	8	8
General Services Administration	-------	85	85
Health Services Administration	-------	12	12
Social Security Administration	-------	1	1
Fish and Wildlife Service	12,446	366,767	379,213
Bureau of Indian Affairs	-------	6,414	6,414
Bureau of Land Management	68,442	---------	68,442
National Park Service	10,444	59,175	69,620
Bureau of Reclamation	907	117,110	118,016
Immigration and Naturalization	-------	8	8
U.S. Postal Service	-------	5	5
Coast Guard	-------	4	4
Bureau of Customs	-------	22	22
Veterans Administration	-------	59	59
Air Force	-------	12,374	12,374
Army	-------	832	832
Corp of Engineers	10,308	548,763	559,071

SOURCE: U.S. Dept. of the Interior, Bureau of Land Management, Public Land Statistics, 1976.

* As of June 30, 1975.

Note: Individual items may not add to totals due to rounding.

TABLE 18.03

PUBLIC LAND ACREAGE UNDER THE JURISDICTION OF THE BUREAU OF LAND MANAGEMENT BY NORTH DAKOTA COUNTY, FISCAL YEAR, 1978

County	Acreage	County	Acreage
Adams	80	McIntosh	213
Barnes	5	McKenzie	1,629
Benson	9	McLean	599
Billings	680	Mercer	459
Bowman	32,808	Morton	236
Burleigh	1,015	Mountrail	1,117
Cavalier	160	Oliver	112
Divide	1,666	Pierce	166
Dunn	15,989	Renville	78
Eddy	54	Sheridan	378
Emmons	599	Stutsman	80
Golden Valley	2,358	Towner	14
Grand Forks	40	Walsh	11
Grant	604	Ward	266
Kidder	1,520	Williams	1,401
Logan	523		
McHenry	3,233	NORTH DAKOTA	68,102

SOURCE: U.S. Department of Interior, Bureau of Land Management, Public Lands Digest Montana, North Dakota and South Dakota, 1977-1978.

TABLE 18.04

UNITED STATES FOREST SERVICE ACREAGE BY NORTH DAKOTA COUNTY, FISCAL YEAR, 1978

County	Public Domain	Acquired	Total
Billings	26,856	263,210	290,066
Golden Valley	3,199	93,143	96,342
Grant	------	480	480
McKenzie	67,196	435,851	503,047
McHenry	------	796	796
Ransom	------	42,222	42,222
Richland	40	28,078	28,118
Sioux	------	6,237	6,237
Slope	9,284	129,073	138,357
NORTH DAKOTA	106,575	999,090	1,105,565

SOURCE: U.S. Forest Service, Bismarck, North Dakota Office.

TABLE 17.12

ESTIMATED STATE AND LOCAL GOVERNMENT POLICE AND CORRECTIONS EMPLOYMENT AND POLICE EXPENDITURES, NORTH DAKOTA 1967-1976

Year	Employment[1]						Police Expenditures[2] (Million Dollars)		
	Police Protection			Corrections					
	State	Local[3]	Total	State	Local[3]	Total	State	Local[3]	Total
1967	95	NA	NA	170	NA	NA	$1.0	$ NA	$ NA
1968	93	731	824	172	34	206	1.1	4.7	5.8
1969	113	704	817	169	37	206	1.1	5.1	6.2
1970	107	742	849	174	34	208	1.2	5.7	6.9
1971	141	804	945	215	52	267	1.7	7.2	8.9
1972	144	834	978	192	41	233	1.0	8.0	9.0
1973	151	878	1,029	205	54	259	1.0	9.0	10.0
1974	157	875	1,032	247	49	296	2.0	9.0	11.0
1975	153	890	1,043	274	62	336	3.0	10.0	13.0
1976	163	916	1,079	276	92	368	3.0	13.0	16.0

SOURCE: U.S. Department of Commerce, Bureau of the Census, Statistial Abstract of the United States.

[1] Full-time equivalent as of October of stated year.

[2] For fiscal year ending in year stated.

[3] Estimated; subject to substantial sampling variation (see source).

TABLE 18.05

UNITED STATES ARMY CORPS OF ENGINEERS LAND ACREAGE
IN NORTH DAKOTA, 1978

Location	Acres	Administration
Main Public Area	70	Federal
Sundstrom's Landing	9	Federal
Keyes Crossing	4	Federal
Hwy. #26 Rec. Area	27	Federal
K. Olson's Landing	11	Federal
Eggert's Landing	28	Federal
Ashtabula Crossing	34	Local
Lake Ashtabula	183	
Spillway Overlook	17	Local
West Bay Landing	35	Local
Walsh Memorial Park	42	Local
Homme Reservoir	94	
General Sibley Park	165	Local
Winona Island	300	Federal
Beaver Creek	390	Federal
Fort Yates	10	Federal
Cannonball	5	Federal
Hazelton	90	Federal
Fort Rice	100	Federal
Sugarloaf Bottom	10	Federal
Little Heart	10	Federal
East Sibley Island	125	Local
Badger Shoal	15	Federal
Lake Oahe	1,220	
Hazen	45	Local
Trailwaters	325	Federal
Red Butte Bay	56	Local
Twin Buttes	44	Tribal
Downstream	502	Federal
Riverdale	810	Federal
Totten Trail	116	Federal
Fort Stevenson	349	State
Lewis & Clark	497	State
Trenton	90	Tribal
Four Bears	153	Tribal
Lake Sakakawea St. Park	550	State
East Abutment Overlook	205	Federal
Wolf Creek	40	Federal
Colharbor	135	Federal
Douglas Creek	318	Federal
Deepwater Creek	50	Federal
Parshall Bay	52	Local
Van Hook	55	County
Pouch Pt. Bay	17	Tribal
New Town	220	Local
Raums	129	County
Tobacco Garden	190	Federal

TABLE 18.05--*Continued*

Location	Acres	Administration
Bear Den Creek	35	Tribal
McKenzie Bay	330	Local
Lost Bridge	40	Tribal
Little Missouri	215	Local
Charging Eagle	69	Local
Beaver Creek	228	Local
Beulah Bay	103	Local
Intake	109	Federal
Lake Sakakawea	6,077	
The Point	525	County
South Shore	555	County
North Shore	503	County
Bowman-Haley Lake	1,583	
Parkhurst	503	Local
Pipestem	880	Federal
Pipestem Lake	1,383	
NORTH DAKOTA	10,540	

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.06

UNITED STATES FISH AND WILDLIFE SERVICE NATIONAL WILDLIFE REFUGES: ACREAGE BY NORTH DAKOTA STATE PLANNING REGION AND COUNTY*

Region/County	Refuge	Acres Owned	Acres Leased
Williams	Lake Zahl	3,219	594
Region 1			
Ward	Hiddenwood	-------	200
Burke-Ward	Des Lacs	14,069	------
Burke-Mountrail	Lostwood	24,810	------
Mountrail	Shell Lake	710	1,125
Renville-Ward	Upper Souris	32,089	------
Bottineau	Lords Lake	-------	1,908
Bottineau-McHenry	J. Clark Salyer	58,693	------
McHenry	Wintering River	-------	239
McHenry	Cottonwood Lake	-------	1,013
Pierce	Buffalo Lake	26	2,070
Region 2			
Rolette	Rabb Lake	-------	261
Rolette	School Section Lake	-------	680
Rolette	Willow Lake	1	2,620
Towner	Rock Lake	-------	5,507
Towner	Brumba	-------	1,977
Towner	Snyder	-------	1,550
Benson	Sullys Hill	1,674	------
Benson	Pleasant Lake	-------	898
Benson	Wood Lake	-------	280
Benson	Silver Lake	-------	3,348
Eddy	Johnson Lake	-------	728
Ramsey-Towner	Lake Alice	7,148	------
Region 3			
Walsh	Lake Ardoch	308	2,389
Nelson	Rose Lake	-------	836
Nelson	Lambs Lake	-------	1,207
Nelson	Stump Lake	-------	27
Nelson	Johnson Lake	4	1,276
Grand Forks	Little Goose	-------	288
Grand Forks	Kellys Slough	680	585
Region 4			
Richland	Lake Elsie	-------	634
Sargent	Tewaukon	6,864	------
Sargent	Storm Lake	2	684
Sargent	Wild Rice Lake	-------	779
Region 5			

TABLE 18.06--*Continued*

Region/County	Refuge	Acres Owned	Acres Leased
Griggs	Sibley Lake	-------	1,077
Foster-Stutsman	Arrowwood	13,345	------
Stutsman	Chase Lake	1,547	------
Stutsman	Halfway Lake	-------	160
Barnes	Stoney Lake	-------	880
Barnes	Tomahawk	-------	440
Barnes	Hobart Lake	246	1,789
La Moure	Bonehill Creek	-------	640
Dickey	Maple River	-------	712
Dickey	Dakota Lake	-------	2,756
Region 6			
McLean	Audubon	13,498	------
McLean	Hiddenwood	-------	368
McLean	Camp Lake	-------	586
McLean	Lost Lake	-------	1,960
McLean	McLean Lake	344	416
McLean	Lake Nettie	2,261	219
McLean	Lake Otis	-------	320
Sheridan	Sheyenne Lake	-------	797
Burleigh-Kidder	Long Lake	13,749	------
Burleigh	Canfield Lake	3	310
Burleigh	Florence Lake	1,468	420
Kidder	Slade	3,000	------
Kidder	Lake George	29	3,090
Kidder	Hutchinson Lake	-------	479
Emmons	Appert Lake	-------	908
Emmons	Sunburst Lake	-------	328
Emmons	Springwater Lake	-------	640
Emmons	Flickertail Lake	-------	640
Grant	Pretty Rock	-------	800
Region 7			
Dunn	Lake Ilo	3,197	------
Slope	Stewart Lake	4	2,226
Slope	White Lake	1,040	------
Region 8			
NORTH DAKOTA		204,208	56,664

SOURCE: North Dakota Parks and Recreation Department.

* As of September 30, 1978.

TABLE 18.07

UNITED STATES FISH AND WILDLIFE SERVICE WATERFOWL PRODUCTION AREAS: ACREAGE BY NORTH DAKOTA STATE PLANNING REGION AND COUNTY*

Region/County		Acres
Divide		9,885
Williams		3,995
Region 1	13,880	
Burke		3,544
Mountrail		6,896
Renville		234
Ward		5,691
Bottineau		2,151
McHenry		3,820
Pierce		10,587
Region 2	32,923	
Rolette		5,020
Towner		2,467
Benson		8,547
Cavalier		9,461
Ramsey		7,832
Eddy		4,659
Region 3	37,986	
Pembina		2,142
Walsh		1,328
Nelson		3,053
Grand Forks		4,603
Region 4	11,126	
Steele		2,929
Traill		719
Cass		3,026
Ransom		4,152
Richland		4,204
Sargent		3,537
Region 5	18,567	
Wells		5,884
Foster		1,486
Griggs		2,521
Stutsman		22,033
Barnes		6,587
Logan		10,614
La Moure		4,800
McIntosh		17,368
Dickey		8,890
Region 6	80,183	
McLean		3,868
Sheridan		7,054
Burleigh		7,280
Kidder		5,869
Emmons		2,892
Region 7	26,963	
Region 8	------	
NORTH DAKOTA		221,628

SOURCE: North Dakota Parks and Recreation Department.

* As of September 30, 1978.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 18.08

STATE PARK SERVICE LAND: LOCATION AND ACREAGE BY NORTH DAKOTA COUNTY

County	Name of Area	Acreage	Type of Area
Billings	Sully Creek Campground	80.00	Seasonal Park
Bottineau	Lake Metigoshe	1,092.12	All Seasons Park
Bottineau	Butte St. Paul	50.00	Memorial Site
Bowman	Butte View Campground	20.00	Seasonal Park
Burleigh	Double Ditch	116.73	Memorial Site
Cavalier	Walhalla	1,333.43	Primitative Grassland
Dunn	Little Missouri Bay	6,000.00[1]	Seasonal Park
Grand Forks	Turtle River	799.79	All Seasons Park
Kidder	Streeter Memorial	62.00	Seasonal Park
Logan	Beaver Lake	93.40	All Seasons Park
McHenry	Smokey Lake	276.00	Primitive Grassland
McIntosh	Doyle Memorial	21.20	Seasonal Park
McKenzie	Badlands	1,566.00	Primitive Grassland
McLean	Fort Stevenson	438.00[2]	All Seasons Park
Mercer	Lake Sakakawea	822.00[2]	All Seasons Park
Morton	Fort Lincoln	977.13	All Seasons Park
Mountrail	Crow Flies High	253.00	Memorial Site
Pembina	Icelandic	837.94	All Seasons Park
Ransom	Fort Ransom	543.00	All Seasons Park
Ransom	Strong Memorial	1.92	Memorial Site
Williams	Lewis and Clark	490.00	All Seasons Park
Total		15,873.66	

SOURCE: North Dakota Parks and Recreation Department.

[1] Includes 4,500 acres leased.

[2] Lands leased by State Park Service.

TABLE 18.09

STATE FOREST SERVICE LAND: LOCATION AND ACREAGE BY NORTH DAKOTA COUNTY

County	Name of Area	Acreage
Bottineau	Turtle Mountain State Forest	7,194.47
Bottineau-Rolette	Homen State Forest	3,371.25
Bottineau	Hahn's Bay State Forest	150.00
Bottineau	Bottineau Nursery	125.00
McHenry	Mouse River State Forest	359.16
McHenry	Towner Nursery	279.18
Pembina-Cavalier	Tetrault Woods State Forest	429.00
Ransom	Sheyenne State Forest	508.60
		12,416.66

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.10

NORTH DAKOTA GAME AND FISH DEPARTMENT WILDLIFE MANAGEMENT AREAS: ACREAGE BY NORTH DAKOTA STATE PLANNING REGIONS AND COUNTY*

Region/County	Leased	Owned	Total Acres
Divide	---------	160.00	160.00
Williams	3,270.00	317.63	3,588.18
McKenzie	10,091.18	31.60	10,122.78
Region 1 Total	13,361.73	509.30	13,870.96
Burke	---------	465.93	465.93
Renville	---------	---------	---------
Bottineau	---------	1,432.10	1,432.10
Mountrail	4,370.60	320.00	4,690.60
Ward	---------	40.00	40.00
McHenry	---------	515.34	515.34
Pierce	---------	959.95	959.95
Region 2 Total	4,370.60	3,733.32	8,103.92
Rolette	---------	7,020.16	7,020.16
Towner	---------	23.10	23.10
Cavalier	---------	3,761.85	3,761.85
Ramsey	---------	375.18	375.18
Benson	---------	1,039.80	1,039.80
Eddy	---------	1,453.21	1,453.21
Region 3 Total	---------	13,673.30	13,673.30
Pembina	---------	3,446.95	3,446.95
Walsh	---------	418.82	418.82
Nelson	---------	1,098.96	1,098.96
Grand Forks	---------	3,150.25	3,150.52
Region 4 Total	---------	8,115.25	8,115.25
Steele	139.50	1,299.44	1,438.94
Traill	---------	---------	---------
Cass	---------	1,133.90	1,133.90
Richland	---------	3,817.93	3,817.93
Ransom	---------	821.16	821.16
Sargent	---------	2,113.42	2,113.42
Region 5 Total	139.50	9,185.55	9,325.35
Wells	---------	1,516.19	1,516.19
Foster	---------	160.00	160.00
Griggs	562.50	102.90	655.40
Stutsman	---------	142.87	142.87
Barnes	717.00	1,784.51	2,501.51
Logan	---------	597.80	597.80
La Moure	---------	2,294.56	2,294.56
McIntosh	---------	2,121.53	2,121.53
Dickey	---------	2,756.42	2,756.42
Region 6 Total	1,279.50	11,332.78	12,612.28

TABLE 18.10--*Continued*

Region/County	Leased	Owned	Total Acres
McLean	24,833.39	118.63	24,952.02
Sheridan	---------	---------	----------
Mercer	3,717.90	1,735.16	5,453.06
Oliver	---------	566.91	566.91
Burleigh	8,832.52	2,085.71	10,918.23
Kidder	---------	4,049.61	4,049.61
Morton	5,689.00	3,193.29	8,882.29
Grant	7,215.00	320.00	7,535.00
Sioux	---------	299.30	299.30
Emmons	10,469.00	---------	10,469.00
Region 7 Total	60,756.81	12,368.61	73,125.42
Golden Valley	---------	160.00	160.00
Billings	---------	---------	----------
Dunn	---------	6,731.00	6,731.00
Stark	---------	---------	----------
Slope	---------	977.60	977.60
Hettinger	---------	1,173.57	1,173.57
Bowman	---------	---------	----------
Adams	---------	146.33	146.33
Region 8 Total	---------	9,188.50	9,188.50
NORTH DAKOTA	79,881.14	68,229.62	148,110.76

SOURCE: North Dakota Parks and Recreation Department.

* As of March 28, 1978. Refer to page 2.

TABLE 18.11

STATE SCHOOL LAND ACREAGE BY NORTH DAKOTA COUNTY, JUNE 30, 1977

County	Acre	County	Acres
Adams	17,122.16	McLean	21,047.53
Barnes	2,799.58	Mercer	15,089.94
Benson	11,067.63	Morton	17,655.69
Billings	31,241.48	Mountrail	32,465.74
Bottineau	3,394.15	Nelson	2,853.66
Bowman	29,281.58	Oliver	8,644.82
Burke	16,129.97	Pembina	0
Burleigh	27,996.87	Pierce	14,325.01
Cass	40.00	Ramsey	2,056.50
Cavalier	596.47	Ransom	1,120.00
Dickey	3,663.77	Renville	1,911.00
Divide	21,133.13	Richland	513.68
Dunn	25,979.52	Rolette	6,899.24
Eddy	10,913.19	Sargent	1,128.79
Emmons	13,414.32	Sheridan	25,658.64
Foster	3,116.41	Sioux	23,538.42
Golden Valley	29,048.24	Slope	23,621.72
Grand Forks	2,073.77	Stark	6,141.61
Grant	33,483.95	Steele	0
Griggs	1,741.24	Stutsman	15,189.95
Hettinger	9,914.40	Towner	8,090.43
Kidder	28,637.79	Traill	0
La Moure	1,605.00	Walsh	201.02
Logan	9,394.07	Ward	11,039.06
McHenry	22,310.32	Wells	38,496.39
McIntosh	6,397.50	Williams	38,496.39
McKenzie	63,479.13	TOTALS	708,121.87

SOURCE: North Dakota Board of University and School Lands, Forty-Second Biennial Report.

TABLE 18.12

FACILITIES AVAILABLE AT NORTH DAKOTA STATE PARKS, 1979

Park	Policed	Swimming	Fishing	Boating	Playground	Fireplaces	Picnic Tables	Showers	Drinking Water	Toilets, Pit	Toilets, Flush	Sewage Disposal	Sewage Hook-up	Elec. Connections	Overnight Fees	Vehicle Fee	Horseback Trail	Back Pack Trail
Fort Lincoln	x		x		x	x	x	x	x	x	x	x		x	x	x		
Lake Metigoshe	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		
Lake Sakakawea	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		
Turtle River	x	x	x		x	x	x	x	x	x	x	x		x	x	x		
Beaver Lake	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		
Butte View	x					x	x	x	x		x	x		x	x			
Fort Ransom	x		x			x	x		x	x						x		
Fort Stevenson	x	x	x	x		x	x	x	x	x	x				x	x		
Icelandic	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		
Lewis and Clark	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		
Doyle Memorial	x	x	x	x	x	x	x		x	x								
Little Mo. Bay						x	x		x	x							x	x
Streeter Memorial		x		x	x	x	x		x	x								
Sully Creek						x	x		x	x							x	

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.13

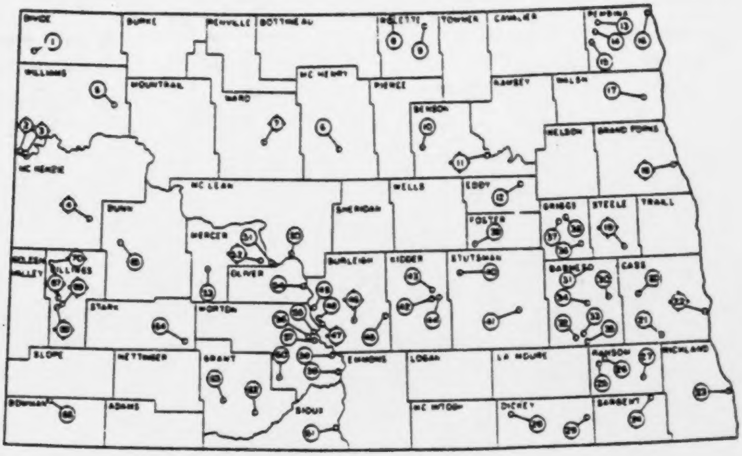
VISITATION FIGURES: NORTH DAKOTA STATE PARKS, STATE FOREST AREAS, AND THEODORE ROOSEVELT NATIONAL PARK, 1960-1978

Year	State Parks	State Forest Areas	Theodore Roosevelt Park
1960	475,500	------	235,251
1961	489,800	------	250,479
1962	570,000	------	260,084
1963	637,200	------	257,904
1964	667,300	------	282,970
1965	647,300	------	260,848
1966	NA	------	500,338
1967	311,300	------	537,258
1968	145,215	------	562,378
1969	206,103	------	658,654
1970	284,986	------	679,980
1971	397,827	13,604	710,289
1972	342,855	28,275	1,001,957
1973	308,570	46,603	853,336
1974	579,541	34,548	701,696
1975	793,560	4,989	803,933
1976	985,037	NA	940,712
1977	1,013,962	3,078	831,475
1978	1,187,062	3,636	833,306

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.14

NORTH DAKOTA HISTORIC SITES: LOCATION AND ACREAGE



O Listed in the North Dakota Century Code Register of Historic Sites

◊ Also listed in the National Register of Historic Places

Administered by State Historical Society

Map Key	Name of Site	Acreage	County
1	Writing Rock	10.00	Divide
3	*Fort Buford	36.53	Williams
6	David Thompson Site	0.68	McHenry
8	International Peace Garden	888.00	Rolette
9	St. Claude Chapel	40.00	Rolette
10	Palmers Spring	2.83	Benson
11	*Fort Totten	9.23	Benson
12	Brenner Crossing	0.25	Eddy
13	*Gingras Trading Post	0.76	Pembina
14	Kittson Trading Post	5.88	Pembina
15	Oak Lawn Church	0.55	Pembina
16	Chaboillez Trading Post	3.55	Pembina
17	Sweden Site	0.01	Walsh
20	Buffalo Creek Campsite	0.25	Cass
21	Maple Creek Crossing	0.38	Cass
23	Fort Abercrombie	21.95	Richland
24	Camp Buell	5.00	Sargent
25	Fort Ransom	6.42	Ransom
26	Standing Rock	0.01	Ransom
28	Whitestone Hill Battlefield	66.00	Dickey
29	Hudson Town Site	1.50	Dickey
30	Camp Arnold	0.10	Barnes
31	Camp Corning	0.30	Barnes
32	Camp Sheardown	0.03	Barnes
33	Birch Creek Campsite	1.00	Barnes
34	Wadeson Site	1.00	Barnes
35	Camp Weiser	0.03	Barnes
36	Lake Johnson	0.04	Griggs
37	Camp Atchison	0.49	Griggs

TABLE 18.14--*Continued*

Map Key	Name of Site	Acreage	County
38	Lake Jessie	0.29	Griggs
39	Camp Kimball	0.13	Foster
40	Camp Grant	1.00	Stutsman
41	Fort Seward	3.56	Stutsman
42	McPhails Butte	0.32	Kidder
43	Burman Historic Site	0.01	Kidder
44	Camp Whitney	4.00	Kidder
45	Chaska Site	0.05	Burleigh
46	**Menoken Indian Village	13.70	Burleigh
47	*Camp Hancock	0.92	Burleigh
47	*Former Executive Mansion	0.52	Burleigh
48	Steamboat Warehouse	0.21	Burleigh
49	Double Ditch Indian Village	37.00	Burleigh
50	Fort Mandan	30.47	McLean
51	Fort Clark	46.93	Mercer
53	Crowley Flint Quarry	2.35	Mercer
54	Molander Indian Village	12.00	Oliver
58	Huff Indian Village	14.00	Morton
59	Fort Rice	7.00	Morton
60	Bismarck-Deadwood Stage Trail	0.03	Morton
61	Sitting Bull Grave Site	5.00	Sioux
62	Cannonball Stage Station	2.50	Grant
63	Medicine Rock	0.01	Grant
64	Sully Corral	4.62	Stark
66	Fort Dilts	8.25	Bowman
67	*Chateau DeMores	128.26	Billings
68	*DeMores Packing Plant	0.01	Billings

Administered by Other Agencies

Map Key	Name of Site	Administered by	County
2	*Fort Union	National	Williams
4	*Theodore Roosevelt National Park (North Unit)	National	McKenzie
5	First Discovery of Oil Site	Private	Williams
7	*Eastwood Park Bridge	Municipal	Ward
18	*Oxford House	Private(UND)	Grand Forks
19	*Baldwins Arcade	Private	Steele
22	*Old N.P.R.R. Depot	Private	Cass
27	Sheyenne Indian Village	Private	Ransom
43	Big Mound Battlefield	Private	Kidder
47	*Towne-Williams House	Private	Burleigh
52	*Big Hidatsa Village	National	Mercer
55	Slant Indian Village	State Parks	Morton
56	Fort McKeen	State Parks	Morton
57	Fort Abraham Lincoln	State Parks	Morton
65	Killdeer Battlefield	Private	Dunn
69	*Theodore Roosevelt National Park (South Unit)	National	Billings
70	*Theodore Roosevelt Elkhorn Ranch Site	National	Billings

SOURCE: North Dakota Parks and Recreation Department.

* On the National Register of Historic Places, April 1975.

** On the National Register of Historic Landmarks, February 1975.

TABLE 18.16

TRAVEL TO AND THROUGH NORTH DAKOTA, 1972 AND 1977

Category	1972[a] (Thousands)	1977[b] (Thousands)
Total Households that made Trips to State	425	794
Total Persons that made Trips to State	1,003	1,866
Number of Person Trips to or through State	1,950	5,145
Total Nights spent in State	8,151	9,557
Travel to a Destination in the State		
Person Trips	1,558	2,947
Person Nights spent in State	7,096	8,349
Travel Through the State With a Stopover		
Person Trips	392	705
Person Nights spent in State	1,055	1,208
Mode of Travel		
Autos and Trucks without Campers	1,357	2,553
Autos and Trucks with Campers	90	50
Bus	11	32
Train	3	32
Air	91	121
Other	6	94
Combination (going and return)	---	65

SOURCE: U.S. Department of Commerce, Bureau of the Census, National Travel Survey, unpublished data, Washington, D.C., 1979.

[a] The error of these estimates was computed as ± .32.

[b] The error of these estimates has not been computed, but was informally set at "± .20 or higher" by the survey's statistician.

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TABLE 18.15

NORTH DAKOTA OUTDOOR RECREATION FACILITIES BY COUNTY, 1979
(Selected Recreational Activities)

County	Total Acres	Surface Water Acres	Miles of Hiking Trails	Camping			Picnicking Acres
				Acres	Tent Sites	Trailer Sites	
NORTH DAKOTA TOTALS							
Adams	475	142	---	8	3	24	5
Barnes	13,182	1,220	1.0	479	263	155	105
Benson	17,715	2,170	2.5	68	94	76	58
Billings	370,263	---	---	56	91	178	31
Bottineau	44,235	8,194	43.0	87	95	235	226
Bowman	42,228	3,760	---	20	5	70	53
Burke	5,476	1,496	10.0	5	8	15	13
Burleigh	27,392	8,317	2.0	94	157	285	45
Cass	7,262	474	20.0	52	157	161	182
Cavalier	15,491	229	---	13	10	20	16
Dickey	17,880	1,199	2.0	14	31	20	24
Divide	11,802	130	---	---	---	---	4
Dunn	63,239	28,713	75.0	6	1	---	6
Eddy	7,374	594	---	15	43	25	15
Emmons	56,597	39,341	---	19	135	34	21
Foster	2,705	1,003	---	2	17	18	14
Golden Valley	99,369	157	---	---	3	3	3
Grand Forks	10,696	189	13.0	20	75	275	186
Grant	13,013	5,249	---	30	---	---	39
Griggs	4,536	151	3.0	---	47	47	8
Hettinger	1,566	206	1.0	---	---	8	5
Kidder	21,503	3,106	1.0	21	85	50	30
La Moure	8,307	888	---	8	40	16	37
Logan	13,144	1,543	5.0	26	---	29	26
McHenry	12,908	2,073	---	19	27	52	20

TABLE 18.15--*Continued*

County	Total Acres	Surface Water Acres	Miles of Hiking Trails	Camping Acres	Camping Tent Sites	Camping Trailer Sites	Picnicking Acres
McIntosh	21,796	2,678	---	6	22	22	31
McKenzie	597,084	53,841	30.0	23	95	94	43
McLean	136,265	93,039	1.0	98	26	125	31
Mercer	41,427	38,858	1.3	306	139	80	108
Morton	29,197	19,123	3.0	39	75	74	66
Mountrail	110,775	96,501	---	---	20	41	11
Nelson	8,268	529	2.0	37	49	50	45
Oliver	5,915	5,141	---	2	---	8	11
Pembina	7,673	382	35.0	72	65	58	46
Pierce	14,036	488	---	16	10	13	4
Ramsey	55,022	39,171	4.0	309	83	90	18
Ransom	48,493	210	2.0	15	10	45	17
Renville	26,240	9,805	---	---	50	65	74
Richland	41,731	2,230	4.5	12	34	46	37
Rolette	22,466	4,764	12.0	111	87	94	50
Sargent	15,438	1,651	---	14	16	8	24
Sheridan	8,455	*	---	---	---	---	10
Sioux	25,220	24,535	---	3	---	---	8
Slope	142,763	484	*	1	---	3	9
Stark	9,360	4,319	---	55	152	176	196
Steele	5,409	1,223	---	15	80	10	16
Stutsman	50,749	5,230	---	52	280	359	135
Towner	13,155	281	---	10	36	21	24
Traill	1,210	110	---	17	14	63	35
Walsh	5,663	769	---	31	35	67	66
Ward	29,989	2,659	---	113	102	250	410
Wells	8,681	649	5.0	43	35	16	55
Williams	55,295	40,443	1.0	13	124	231	62

SOURCE: North Dakota Parks and Recreation Department, 1979.

* Facilities available, but without size designation.

TABLE 18.17

ESTIMATED ECONOMIC EFFECTS OF TRAVEL IN THE UNITED STATES AND NORTH DAKOTA, 1975 AND 1976

Travel	United States		North Dakota	
	1975	1976	1975	1976
Domestic Travel Expenditures ($ Millions)	$ 84,372	$ 108,257	$270.8	$385.3
Travel-Generated Business Receipts ($ Millions)	$ 78,500	$ 100,405	$249.1	$355.7
Travel-Generated Employment	3,334,600	4,033,300	12,300	16,200
Public Transportation	317,900	373,800	400	500
Auto Transportation	235,600	230,300	700	800
Lodging	497,300	535,100	1,700	1,800
Food	1,681,500	2,229,200	7,000	10,100
Entertainment	331,900	360,200	1,600	1,900
Incidental Purchases	216,300	239,700	800	1,000
Travel Arrangement	63,100	65,000	100	100
Travel-Generated Payroll ($ Millions)	$ 19,247	$ 25,236	$ 51.2	$ 72.4
Travel-Generated Tax Receipts ($ Millions)	$ 10,999	$ 15,160	$ 36.3	$ 48.1

SOURCE: U.S. Travel Data Center, The Impact of Travel on State Economies: 1975, Washington, D.C., 1976, and U.S. Travel Data Center, The Impact of Travel on State Economies: 1976, Washington, D.C., 1978.

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